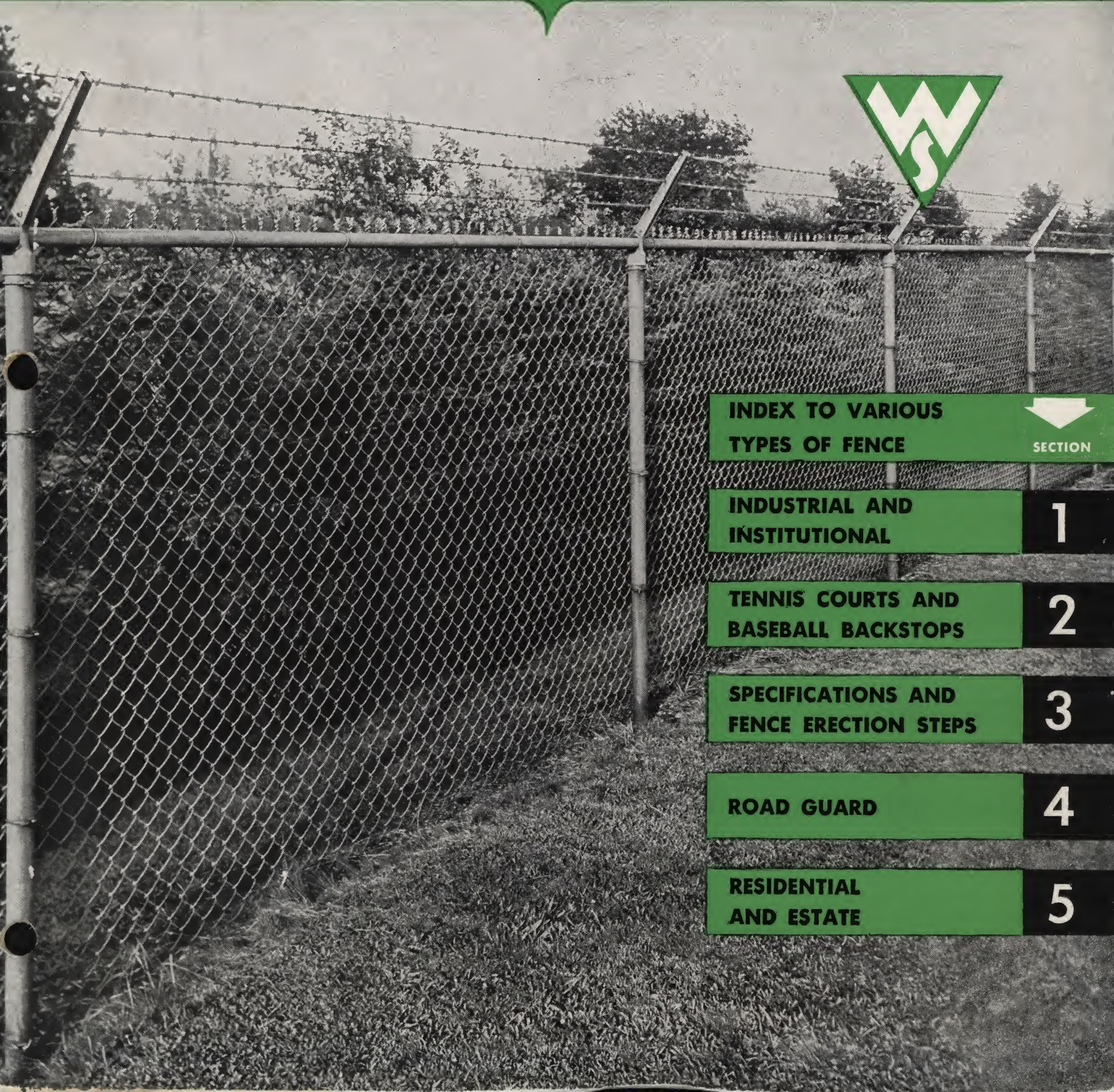
WICKWIRE SPENCER CHAIN LINK FENCE

for Permanent Property Protection



INDEX TO VARIOUS TYPES OF FENCE — SECTION

INDUSTRIAL AND INSTITUTIONAL 1

TENNIS COURTS AND BASEBALL BACKSTOPS 2

SPECIFICATIONS AND FENCE ERECTION STEPS 3

ROAD GUARD 4

RESIDENTIAL AND ESTATE 5

WICKWIRE SPENCER

CHAIN LINK FENCE

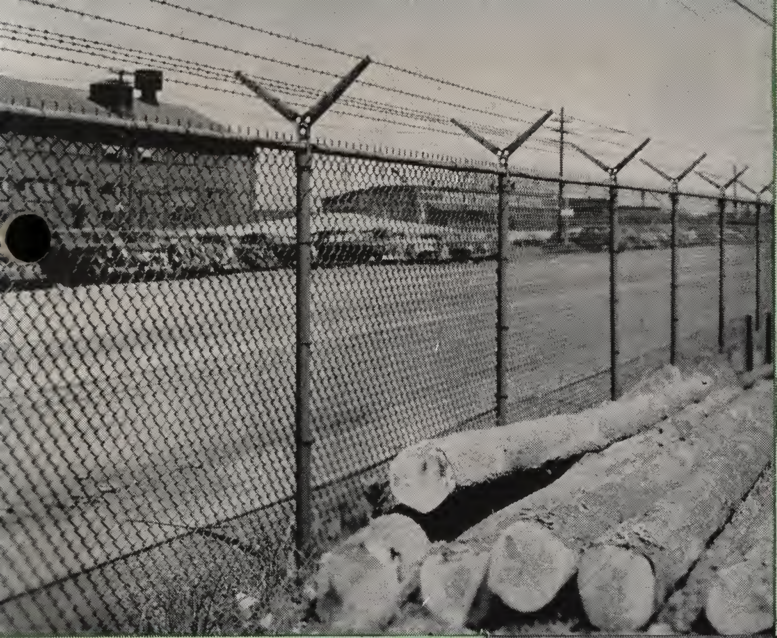
The Ultimate in Fence Protection for All Purposes

Wickwire Spencer Chain Link Fence is the ideal means of protecting industrial property against fire, theft, trespassing, and costly hazards. A well erected, quality chain link fence increases property safety, thus decreases the cost of upkeep, repair, and replacement. Initial cost is moderate in terms of benefits. Maintenance is negligible. Wickwire Spencer Chain Link Fence protection is a profitable investment.

There is a special Wickwire Spencer Chain Link Fence for every industrial purpose, including factories, reservoirs, air ports, schools, electrical-transformers, and substations. Each is specially built for its purpose, incorporating time-tested, proven features which provide maximum property security.

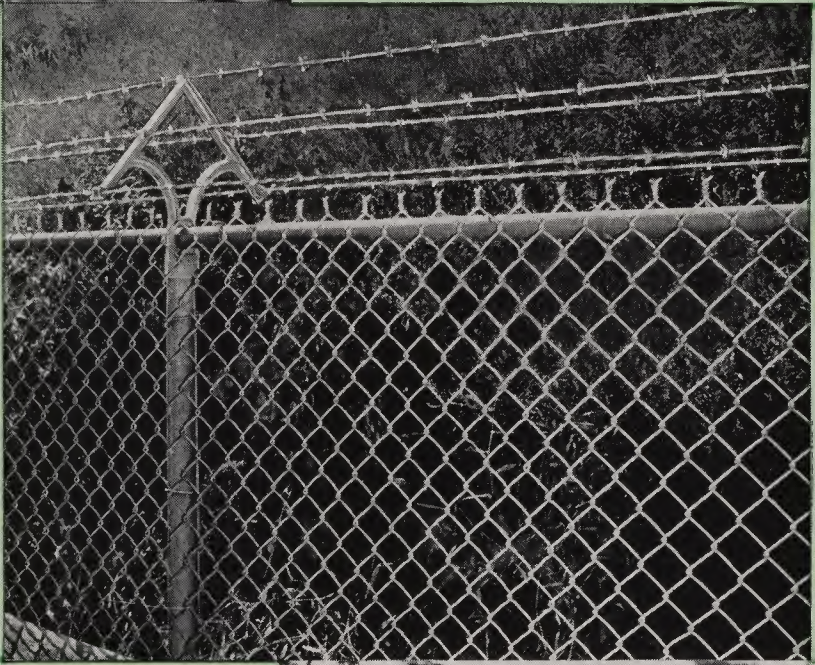
The fabric used in the construction of Wickwire Spencer Chain Link Fence is woven in a diagonal mesh of carefully selected copper bearing steel wire, hot-galvanized by a special process after weaving. Fence frame work is constructed of full weight copper bearing tubular steel, hot-galvanized inside and out. Fittings used on Wickwire Spencer Fences are manufactured of either malleable iron or pressed steel heavily galvanized.

Expert installation and erection service is maintained either direct or through reliable distributors in all parts of the country. The Wickwire Spencer Service Department will gladly render every assistance in solving individual fence problems. Estimates will be submitted without obligation either for fence fabric and fittings ready for erection or including complete installation. See pages 16, 17 and 19.



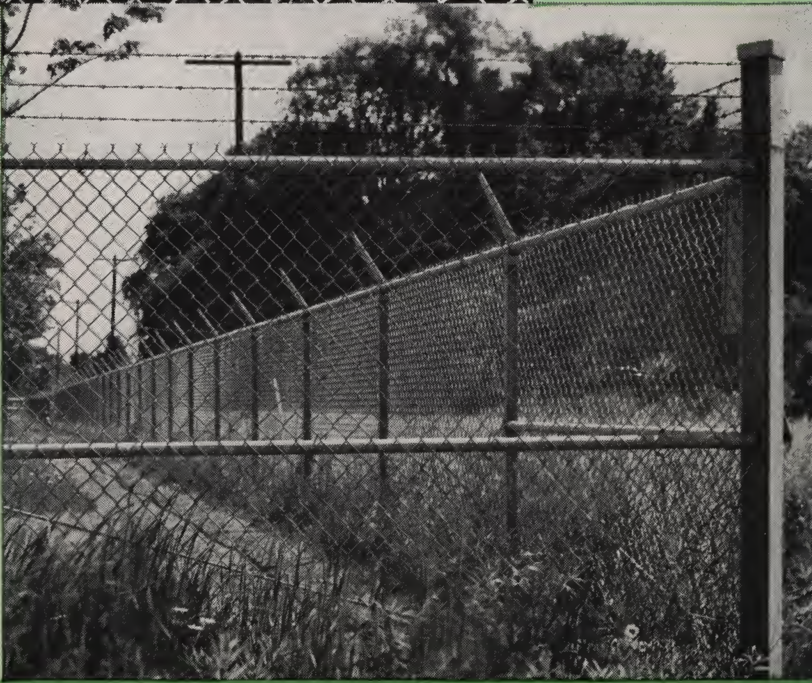
Type 426

The maximum of protection is insured by this fence with a 6 strand top finish. Note that the erection of a Chain Link Fence makes possible full use of property area with complete safety and protection.



Type 425

Permanent property protection is provided by a fence with a 5 strand top finish. This fence acts as a constant sentinel 24 hours a day, preventing unauthorized entry. Supervision of all persons entering or leaving can be controlled at designated gates.



Type 423H

This sturdy fence with the 3 strand barbed wire top finish stands as a bulwark against unauthorized encroachment, effectively marking property limits and facilitating complete utilizations as shown in this photo of a parking lot.

How to select a

CHAIN LINK FENCE

Points to be Considered

Degree of Protection

Before selecting the proper type of Chain Link Fence it is necessary to determine the purpose for which it is to be installed, and the degree of protection desired. All types of Wickwire Spencer Chain Link Fence provide strong, durable property enclosure. However, the varying degrees of protection both from within and without are determined by the top finish.

Barbed Wire Finish

Steel barbed wire strands supported on special fittings above the top of the Chain Link fabric itself offers greatest protection. Barbed wire finish is available incorporating 6, 5, or 3 strands.

Barbed Selvage

An effective top finish offering excellent protection, barbed selvage is an integral part of the fence fabric itself. When specified this finish is supplied on both top and bottom of the fence.

Knuckled Selvage

A Chain Link Fence with this finish insures an excellent enclosure and barrier, affords effective protection. The possibility of accidental damage to clothing or bodily injury is eliminated with this finish, since all wire ends on both top and bottom of the chain link fabric, are turned making a smooth knuckle.

Post Construction

For Wickwire Spencer Chain Link Fence both "H" and pipe post types of constructions are available. For complete descriptions of each refer to page 6 ("H" post), and page 8 (pipe post).

Size and Mesh of Fabric Wire

The barbed selvage can be supplied in a 2-inch mesh of either No. 9 or No. 6 gauge wire. The knuckled selvage is available in a mesh of 1½-inch, using #12 gauge wire and in a 1¾-inch mesh, using #11 gauge wire. Whatever the protection requirements there is a Wickwire Spencer Chain Link Fence designed to offer maximum benefits in property safety.

Service

Wickwire Spencer engineers will be pleased to cooperate with you in working out all details to insure the most complete protection of your property. An inquiry blank for your convenience will be found on page 19.

TYPES OF PROTECTION

NON-CLIMBABLE FOR GREATEST

5 and 6 STRAND BARBED WIRE TOP FINISH

The top of a Wickwire Spencer Chain Link Fence finished with multiple galvanized steel barbed wire strands of four point barbs provides the fullest measure of safety, from both within and without the property enclosed.

6 STRANDS. The strands are carried on pressed steel "V" shaped arms, one extending in and the other out of the property.

5 STRANDS. Triangular shaped arms of pressed steel are used to carry the strands, one at the apex and two strands on each arm.

USES:

- Factory
- Landing Field
- Reservoir
- Air Port
- Storage Yards
- Oil Refinery
- Electrical Transformer
- Sub-Station

NON-CLIMBABLE FOR GENERAL

3 STRAND BARBED WIRE TOP FINISH

Adequate protection of most industrial property is achieved through the installation of a chain link fence with three strand barbed wire top finish. Arms of pressed steel which project either in or out of the property at an angle of 45 degrees carry the barbed wire strands.

USES:

- Coal Yards
- Hospitals
- Institutions
- Mines
- Parking Places
- Railroad Yards
- Reservoirs
- Water Works

FOR PROTECTION AGAINST ORDINARY

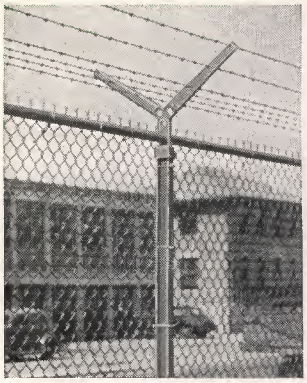
BARBED OR KNUCKLED SELVAGE TOP

These two top finishes are derived from the manner in which the selvage of the fabric is finished. *The barbed wire top* results from twisting the wire so as to form two prongs which act as barbs. On the *knuckled selvage*, the ends are bent back along the weave of the wire. For the property whose fence requirement is primarily one of protection through enclosure, either of these two top finishes are ideal.

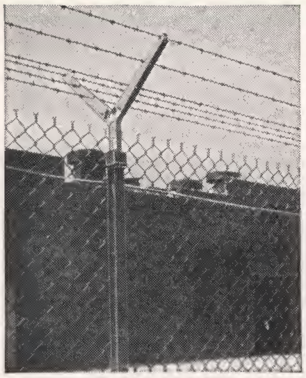
USES:

- Churches
- Homes
- Kindergarten
- Gardens
- Lawns
- Driveways

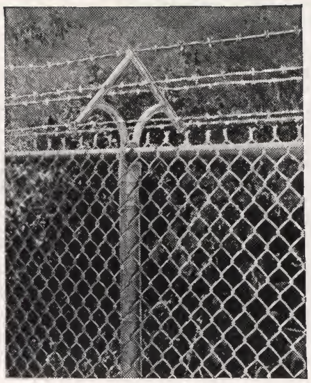
PROTECTION



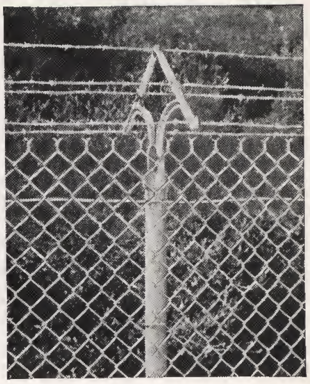
TYPE 426H
Top rail, 6 strand top finish of 4 pronged barbed wire, "H" post construction.



TYPE 406H
Same as Type 426H but without top rail.

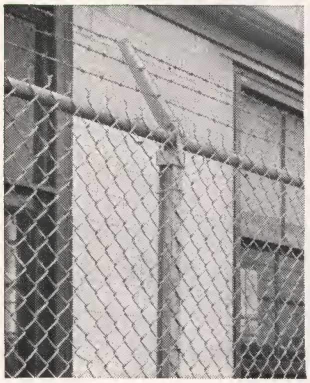


TYPE 425
Top rail, 5 strand top finish of 4 pronged barbed wire, pipe post construction.

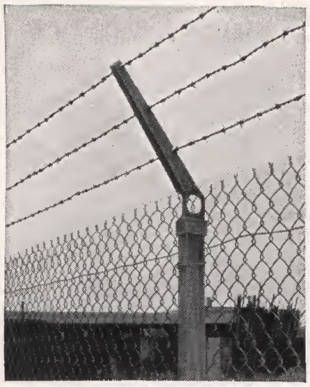


TYPE 405
Same as Type 425 but without top rail.

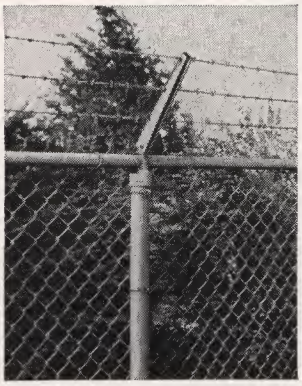
SERVICE



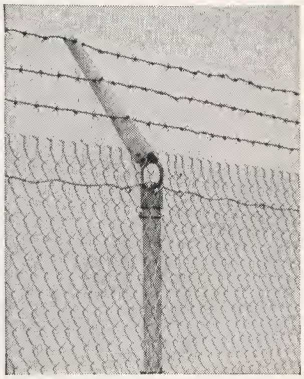
TYPE 423H
Top rail, 3 strand top finish of 4 pronged wire, "H" post construction.



TYPE 403H
Same as Type 423H but without top rail.

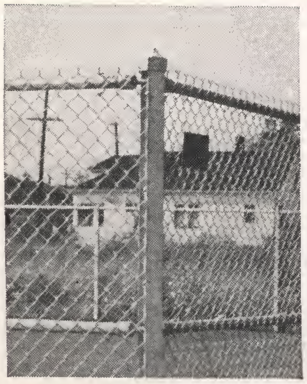


TYPE 423
Top rail, 3 strand top finish of 4 pronged barbed wire, pipe post construction.

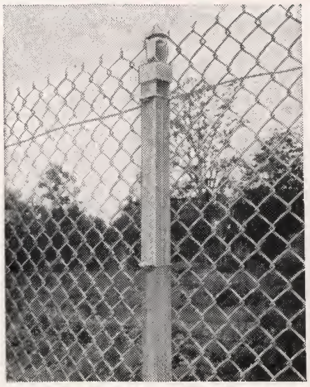


TYPE 403
Same as Type 423 but without top rail.

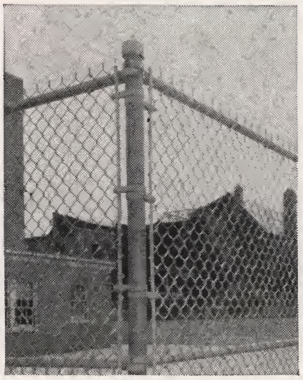
INTRUSIONS AND FOR ENCLOSURES



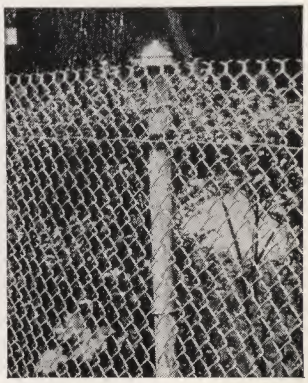
TYPE 420H
Top rail, fabric extending full height of fence, "H" post construction.



TYPE 400H
Same as Type 420H but without top rail.



TYPE 420
Top rail, fabric extending full height of fence, pipe post construction.



TYPE 400
Same as Type 420 but without top rail.

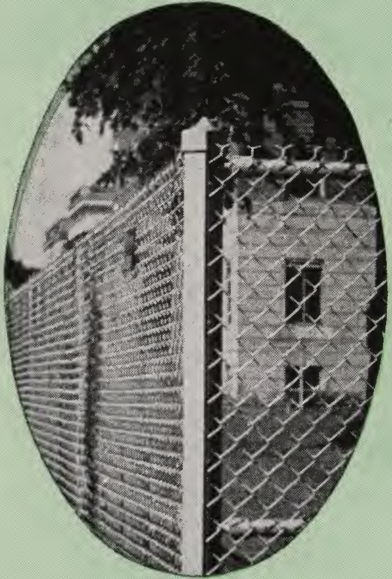
WICKWIRE SPENCER

"H" POST CONSTRUCTION

The "H" type construction incorporates many features that provide maximum durability.

The tamper-proof terminal post construction eliminates the necessity of bolts to secure the fabric. On corner and end posts special round head bolts which can be removed only by chisel and hammer are used.

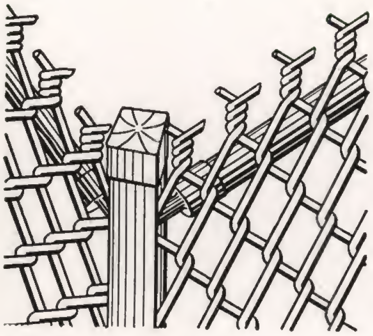
The tension bar constructions used to join the fabric to the "H" type post is not visible and presents a smooth surface without projections, thus further reducing the possibility of climbing the fence.



As air circulates freely over the entire surface of the post, the possibility of corrosion induced by condensation is eliminated.

The gates furnished are designed to blend perfectly with the "H" construction. The gate frame is made of heavy square tubing with all joints securely welded and firmly braced to hang true and swing freely in a full 180-degree arc. See full specifications on page 14.

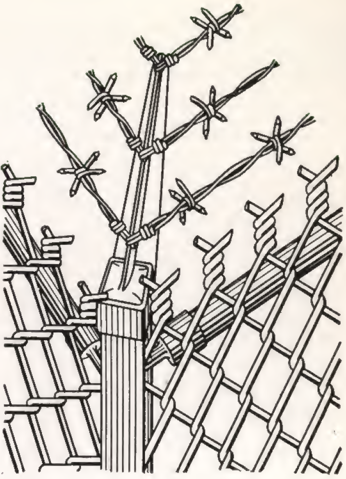
TOP FINISHES



BARBED SELVAGE TOP

Type 420H with top rail, selvage twisted into 2 point prongs.

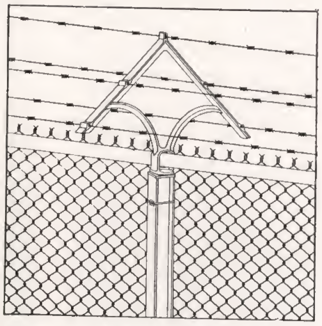
Type 400H same as Type 420H, but without top rail.



3-STRAND BARBED WIRE TOP

Type 423H barbed wire strands set on 45-degree pressed steel arm.

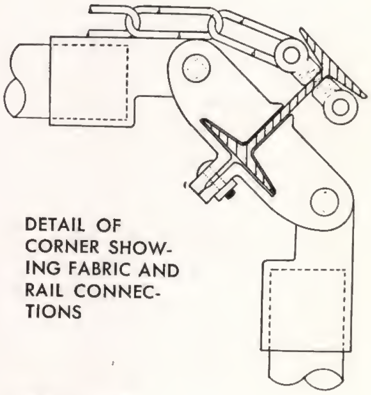
Type 403H same as Type 423H, but without top rail.



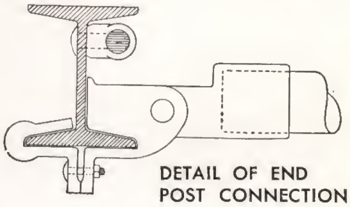
5-STRAND BARBED WIRE TOP

Type 425H with top rail barbed wire strands set on triangular shaped arms.

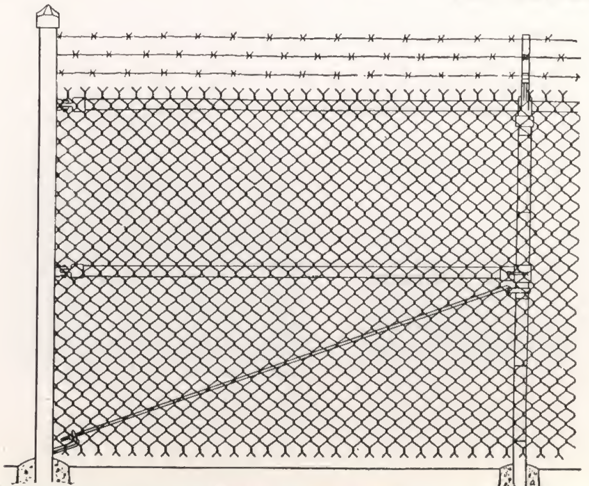
Type 405H same as Type 425H, but without top rail. No. 7-gauge coiled spring wire replaces top rail.



DETAIL OF CORNER SHOWING FABRIC AND RAIL CONNECTIONS

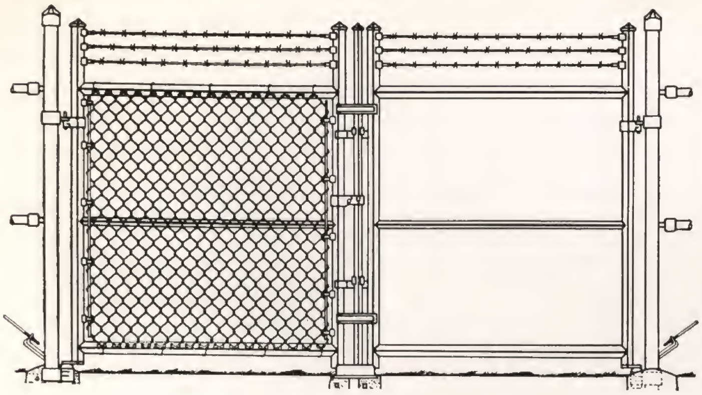


DETAIL OF END POST CONNECTION

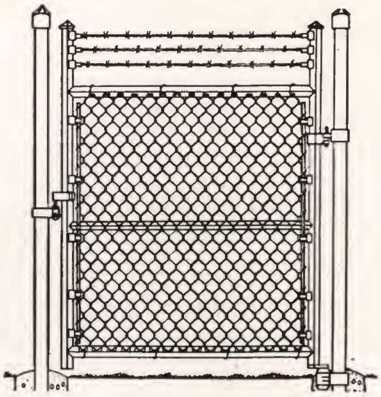


DETAIL OF GATE POST

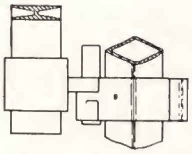
STANDARD GATES—TYPES 420H, 423H, and 425H



DOUBLE GATE



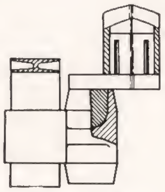
SINGLE GATE



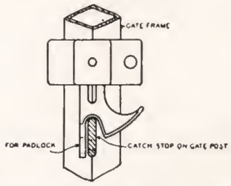
BOTTOM HINGE

BOTTOM HINGE IS BALL AND SOCKET TYPE. SOCKET IS IMBEDDED IN CONCRETE, WHICH SUPPORTS THE WEIGHT OF THE GATE.

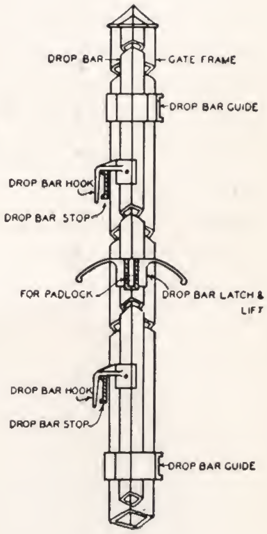
HINGES ARE OFFSET TO PERMIT GATE TO SWING BACK AGAINST FENCE.



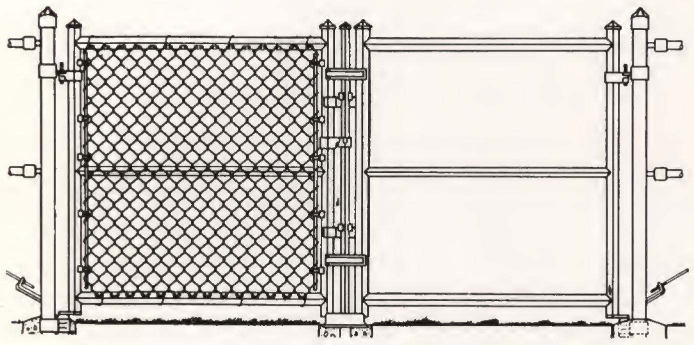
UPPER HINGE



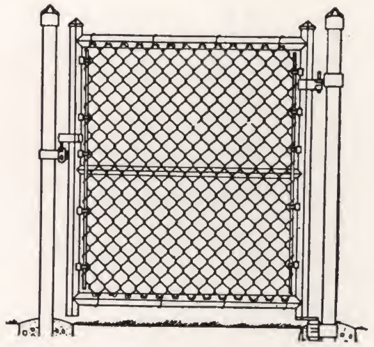
SINGLE GATE LOCKING DEVICE



DOUBLE GATE LOCKING DEVICE

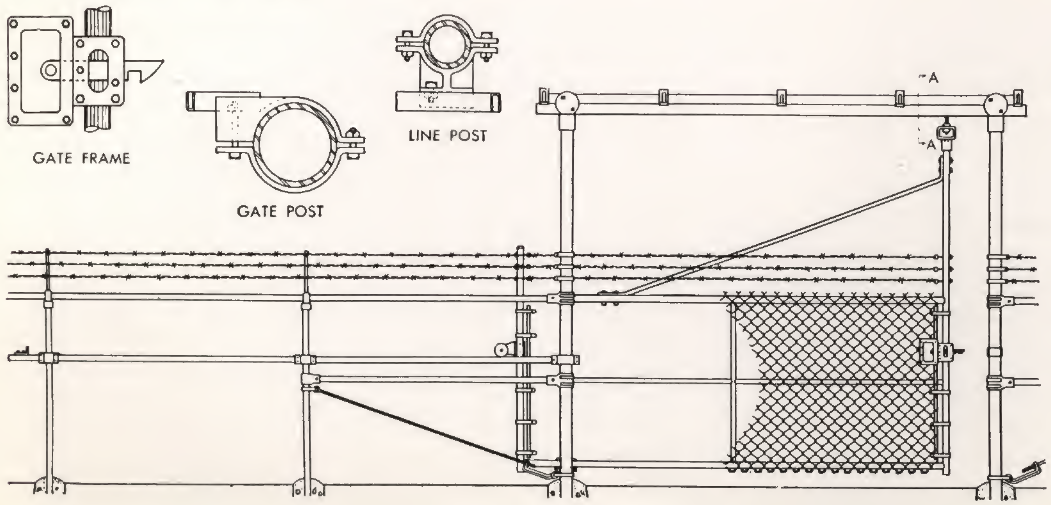


DOUBLE GATE



SINGLE GATE

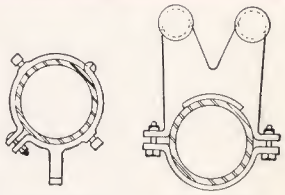
SLIDE GATE TYPE 423



GATE FRAME

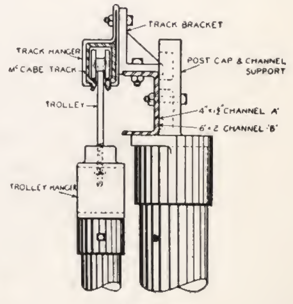
GATE POST

LINE POST



GATE POST

GATE POST

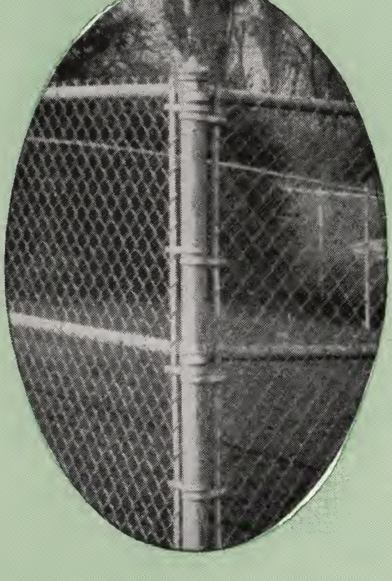


DETAIL A-A

WICKWIRE SPENCER

PIPE POST CONSTRUCTION

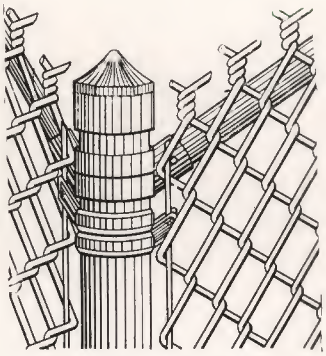
Long satisfactory service by Wickwire Spencer Chain Link Fence of the pipe post type have made this construction exceedingly popular. Its enduring qualities insure trouble-free, inexpensive service for many years. Genuine Wickwire Spencer Chain Link Fence features guarantee complete property protection and the elimination of costly and dangerous hazards.



The best full weight butt welded steel pipe is used. Nonclimbable beveled edge pipe bands used in the fittings of the fence frame further increase the protection factor. Tubular posts and rails supply the strength necessary to absorb rough rugged use without repair or replacement for many years.

Special gates, designed to give trouble free service under heavy usage feature the pipe post fence construction. The frame is welded to insure that the gate cannot sag or twist out of alignment. Strong malleable iron hinges permit the gate to swing back against the fence. See specifications page 14

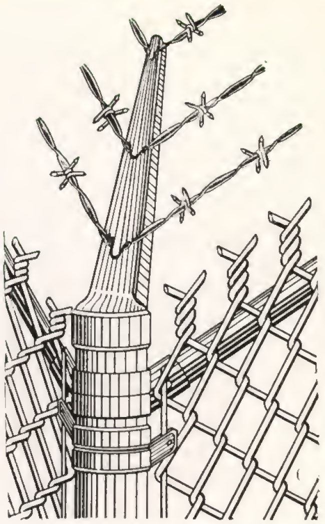
TOP FINISHES



BARBED SELVAGE TOP

Type 420 with top rail, selvage twisted into 2 point prongs.

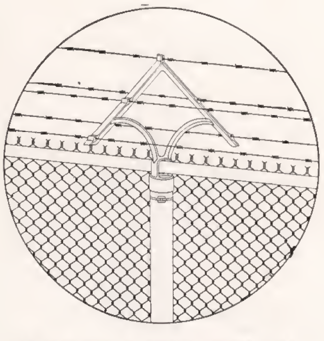
Type 400 same as Type 420, but without top rail.



3 STRAND BARBED WIRE TOP

Type 423 with top rail barbed wire set on 45 degree pressed steel arm.

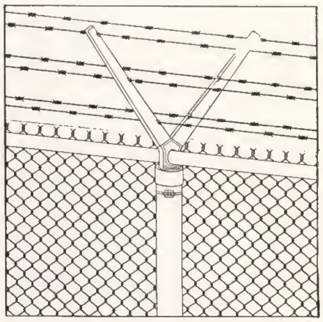
Type 403 same as Type 423, but without top rail.



5 STRAND BARBED WIRE TOP

Type 425 with top rail, barbed wire strands set on triangular shaped arms.

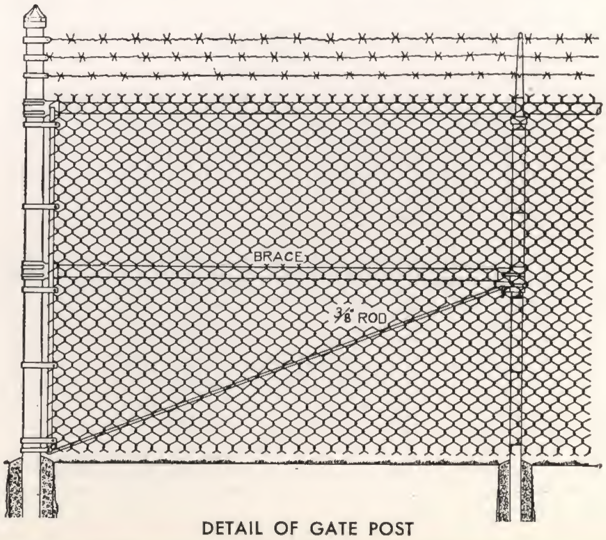
Type 405 same as Type 425, but without top rail.



6 STRAND BARBED WIRE TOP

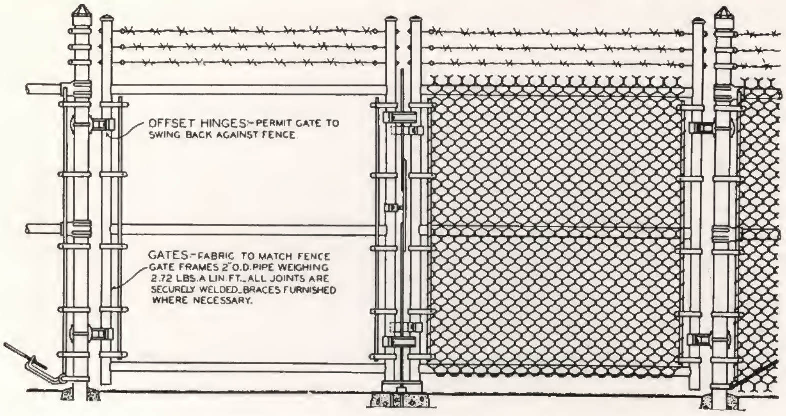
Type 426 with top rail, barbed wire set on "V" shaped pressed steel arms.

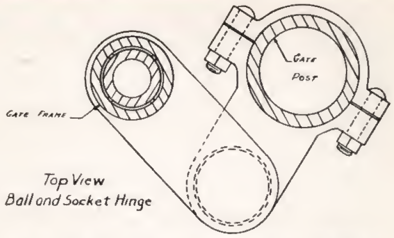
Type 406 same as Type 426, but without top rail.



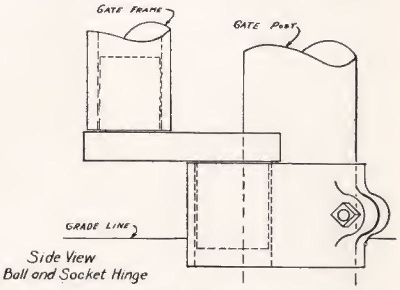
DETAIL OF GATE POST

STANDARD GATES—TYPES 423, 425, 426, 403, 405 and 406

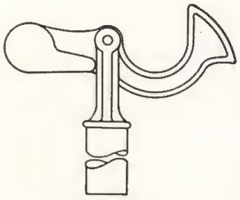

OFFSET HINGES—PERMIT GATE TO SWING BACK AGAINST FENCE.
GATES—FABRIC TO MATCH FENCE GATE FRAMES 2" O.D. PIPE WEIGHING 2.72 LBS. A LIN. FT.. ALL JOINTS ARE SECURELY WELDED. BRACES FURNISHED WHERE NECESSARY.



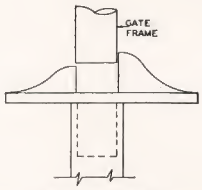
TOP VIEW BALL AND SOCKET HINGE



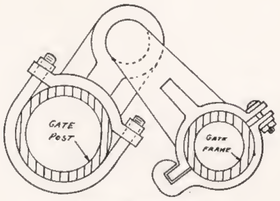
SIDE VIEW BALL AND SOCKET HINGE



HOLD BACK

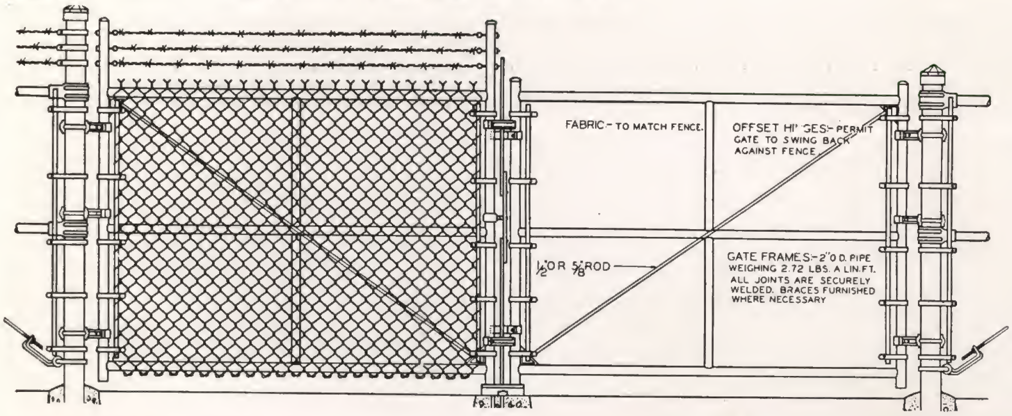


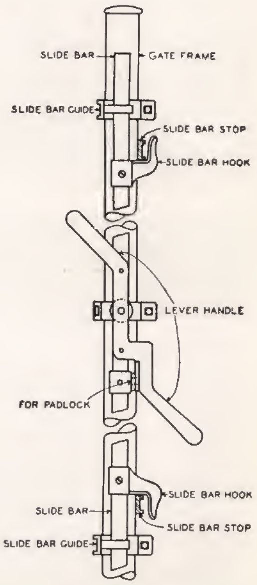
CENTER REST



UPPER HINGE

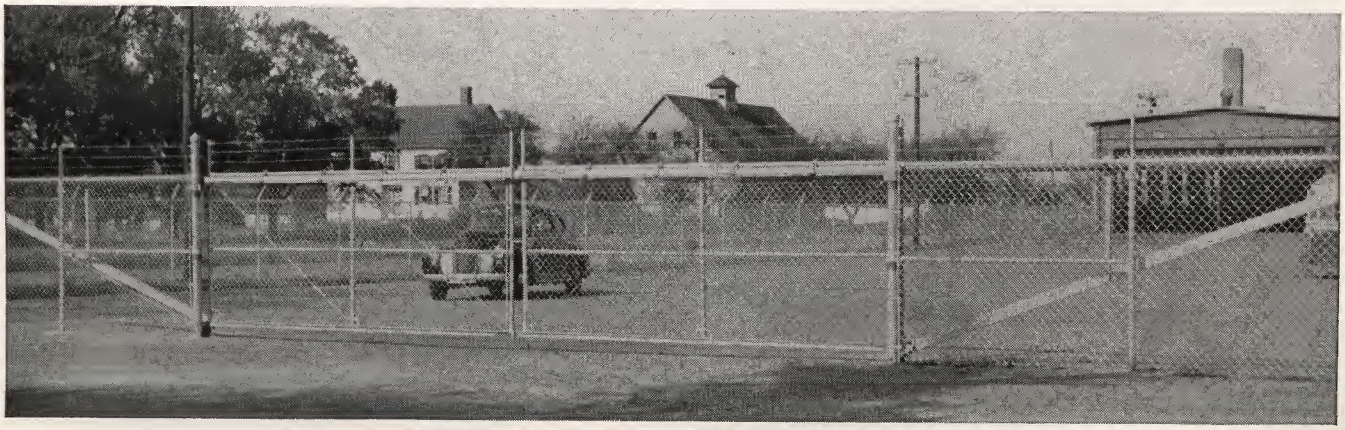
HEAVY DUTY GATES—TYPES 420 and 423

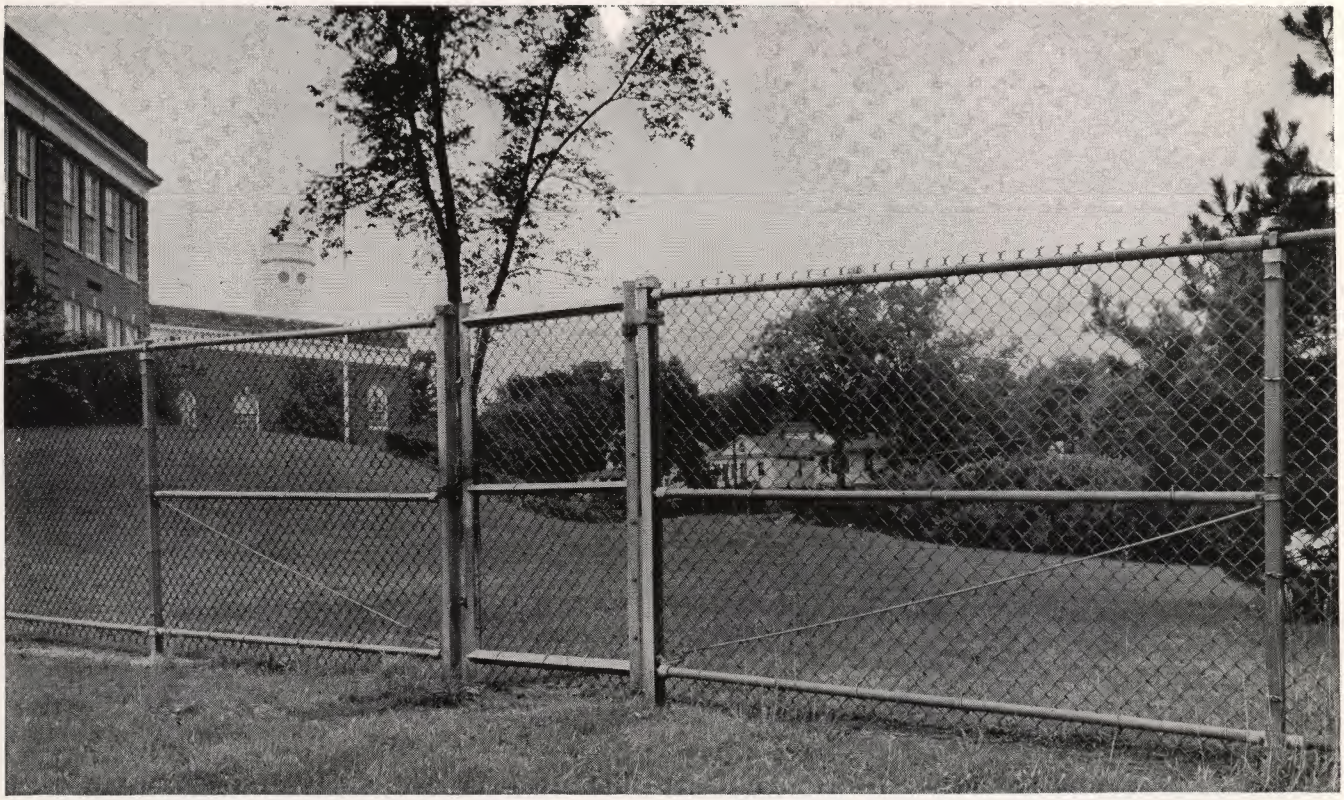

FABRIC—TO MATCH FENCE.
OFFSET HINGES—PERMIT GATE TO SWING BACK AGAINST FENCE.
1/2 OR 5/8 ROD
GATE FRAMES:—2" O.D. PIPE WEIGHING 2.72 LBS. A LIN. FT. ALL JOINTS ARE SECURELY WELDED. BRACES FURNISHED WHERE NECESSARY



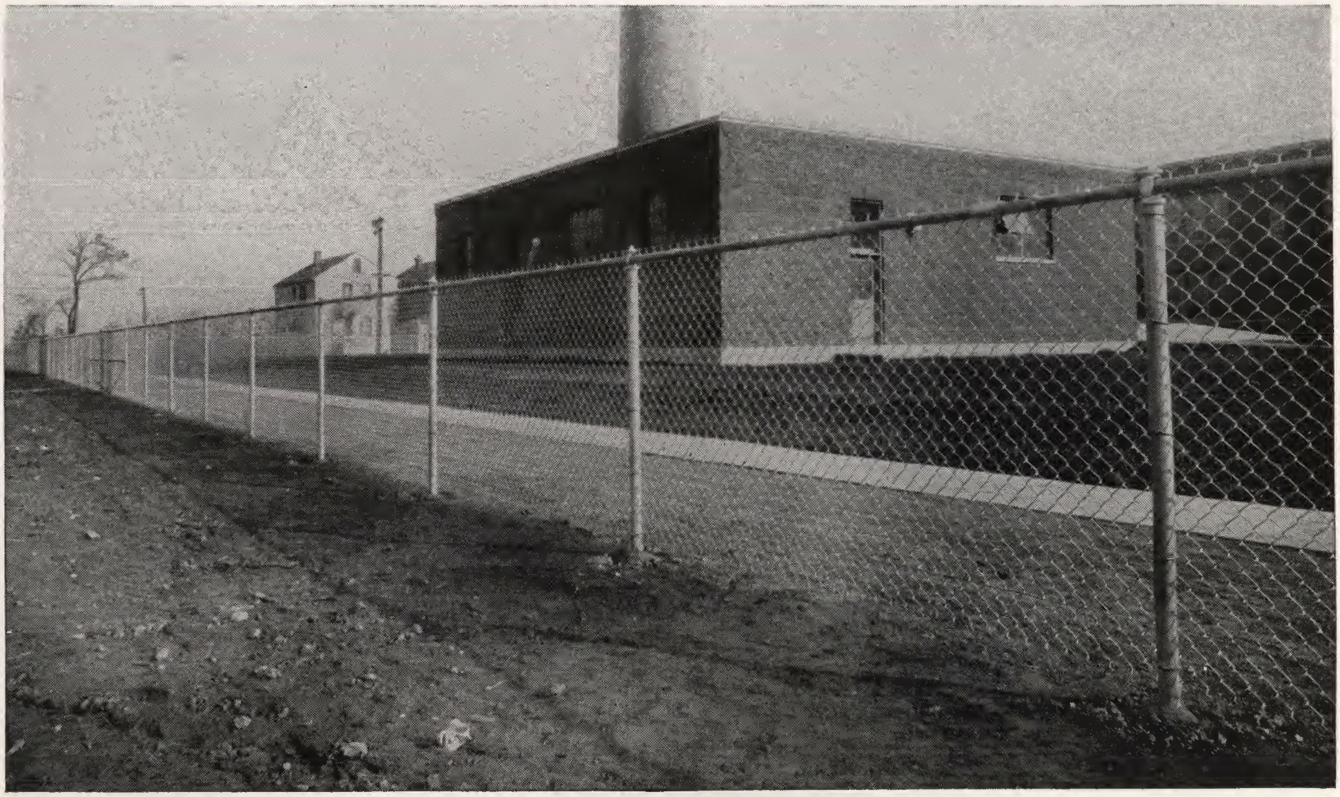
LOCKING DEVICE

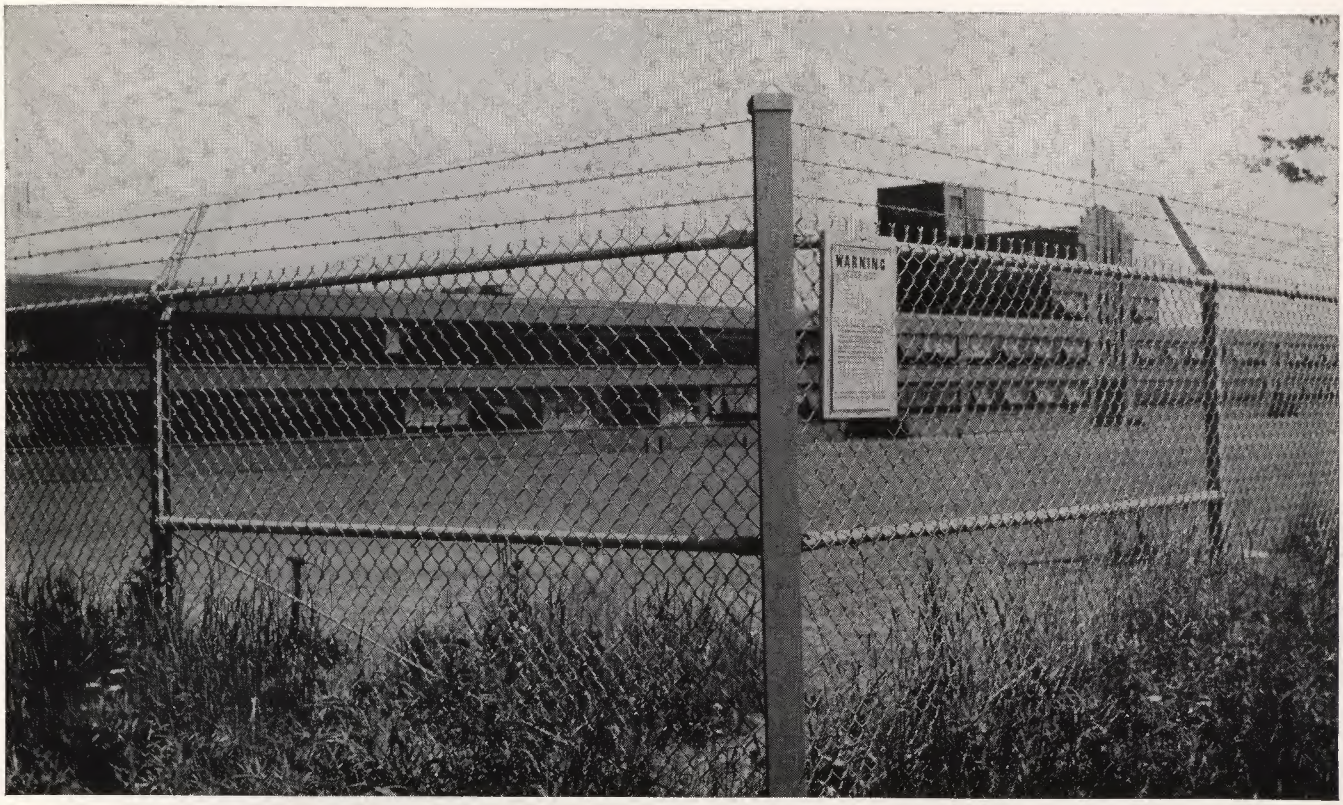
CANTILEVER GATE—SLIDING TYPE—*Eliminates the overhead structure*



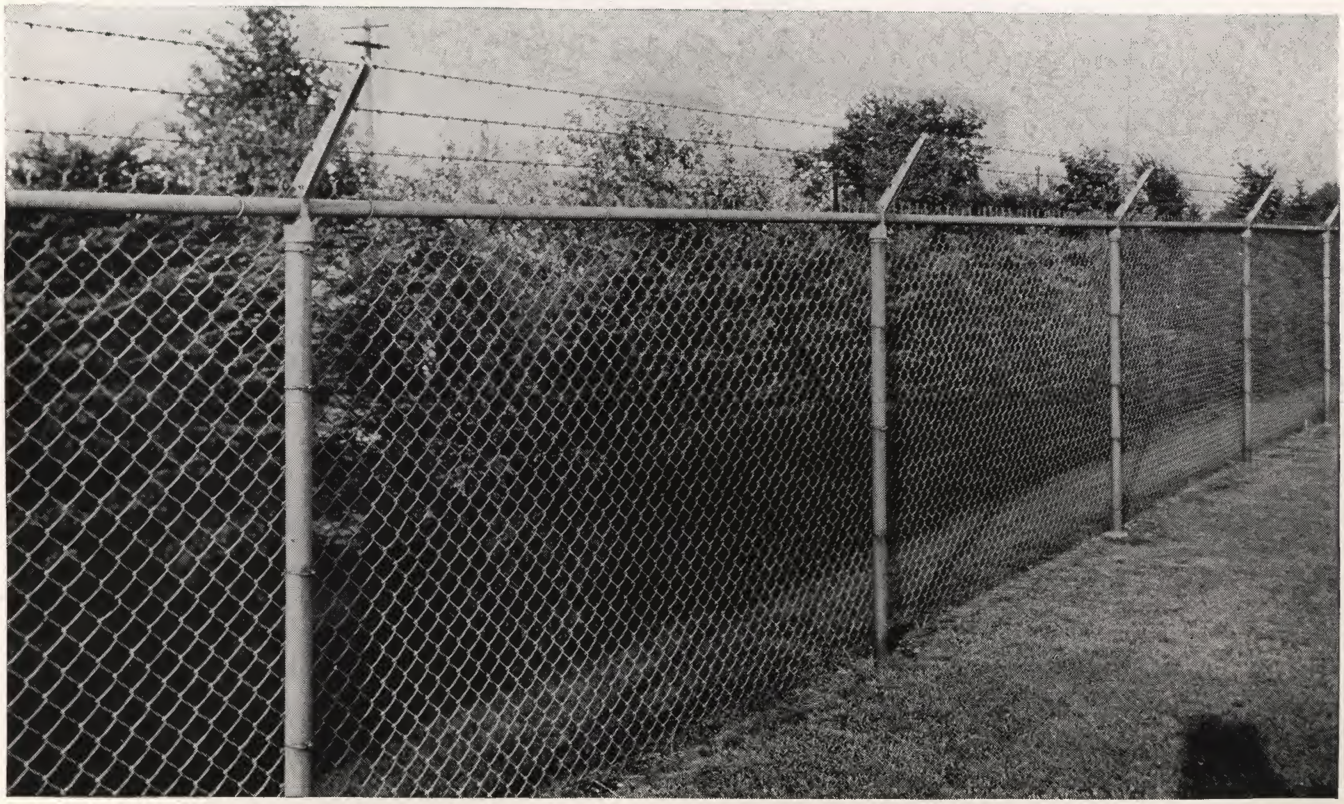


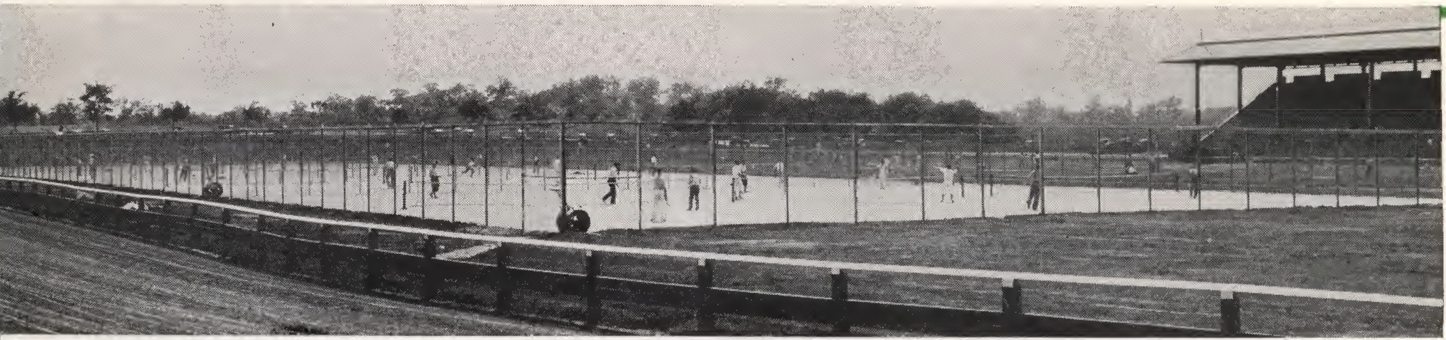
Type 420H (above) with bottom rail demonstrates the positive protection provided at a High School Athletic Field. Type 420 (below) illustrates how a sturdy fence can definitely mark property boundaries and prohibit unauthorized intrusion.





Type 423H (above) illustrates the hidden joining of the fabric made possible by the "H" type of construction. Type 423 (below), with barbed wire, installed around a reservoir provides a definite barrier against unlawful entry.





WICKWIRE SPENCER

CHAIN LINK FENCE

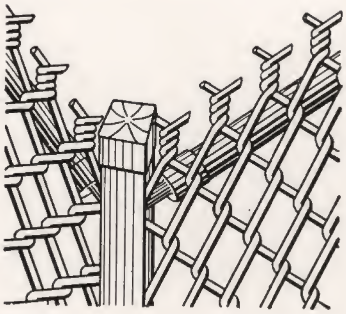
FOR

TENNIS COURTS AND BASEBALL BACKSTOPS

Wickwire Spencer Chain Link Fence is the ideal playing field enclosure. It effectively restricts courts and grounds to authorized use, and makes possible greater enjoyment by limiting "out of bounds" play.

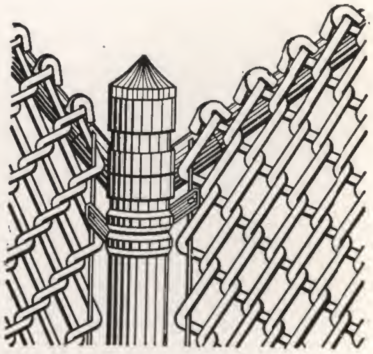
Where chain link fence is installed, not only are the players insured adequate space without interference, but also spectators are protected against accidental injury. In addition the pleasure of the game is increased since the players are not required to continually retrieve the ball because of the lack of enclosure or backstop.

TOP FINISHES



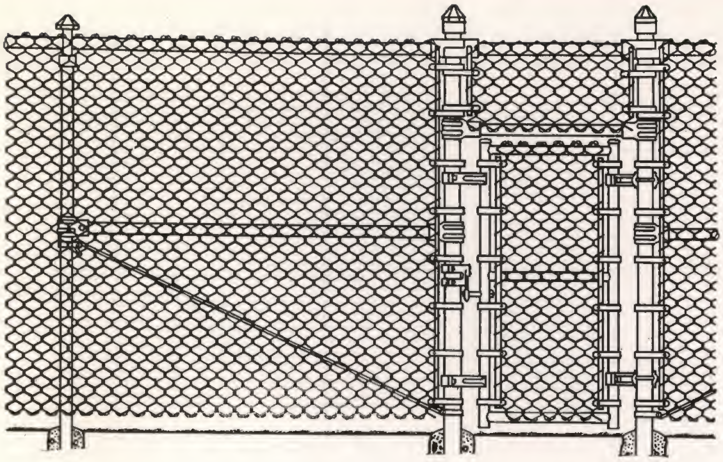
Barbed Selvage

Though not usual in Tennis Court enclosures it can be furnished if required.



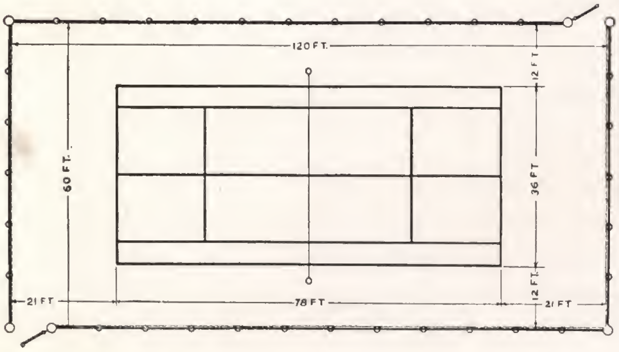
Knuckled Selvage

Eliminates possibility of damage to tennis balls and other equipment and is the fabric finish usually specified.

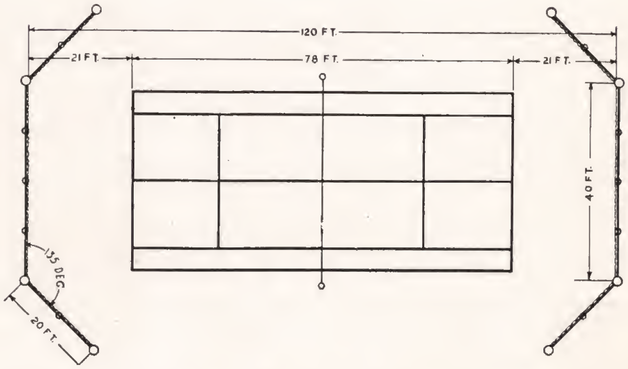


Type 310 or Type 420

A section of Tennis Court enclosure, showing the construction of the gate, transom and bracing which are used to insure a long lasting, sturdy installation.

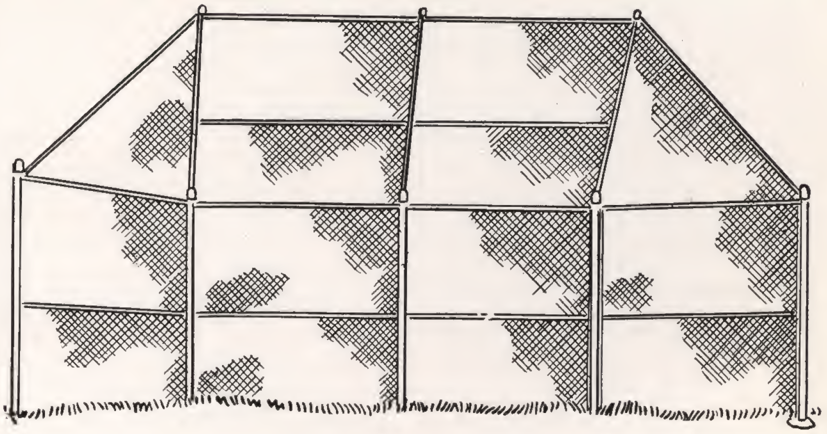


STANDARD SIZE ENCLOSURE



STANDARD SIZE BACKSTOP

BACKSTOPS FOR BASEBALL AND SOFTBALL



Baseball backstops made of Wickwire Spencer chain link fence fabric make possible fast play by limiting the play area to the space desired and assures protection of spectators from accidental injury.

The special design and construction of Wickwire Spencer Chain Link Fence backstops insure full enjoyment of the sport by not limiting the players freedom of action and affords the spectators an unobscured view of the action.

Long years of experience in supplying the needs of leading playing fields throughout the country insure that a specially designed Wickwire Spencer Chain Link Fence backstop will completely meet all requirements. Your inquiry for full information and details will receive prompt attention. Our service department or any sales office listed on the back cover of this catalog, will be pleased to discuss and estimate on your needs.

SPECIFICATION CHART OF ALL TYPES OF FENCE

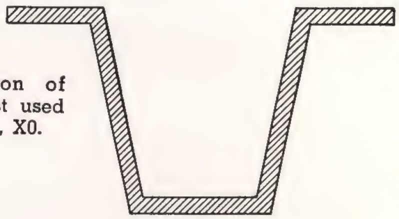
Use	Page	Type No.	Strands of Barbs	Size of Rail or Coiled Spring Wire	Size of Line Post	End or Corner Post	Size of Mesh	Gauge of Wire	Overall Height
Industrial	See Pages 2-3-4-5-8-9-15	426H 425H 423H 420H	6 5 3 0	1⅝" O. D. Pipe	2¼" H	3" I or 3" O. D.	2"	No. 9 or No. 6	5'-6'-7'-8'-9'-10'-11'-12'
		406H 405H 403H 400H	6 5 3 0	No. 7 Coil Spring Wire					
	See Pages 2-3-4-5-6-7-15	426 425 423 420	6 5 3 0	1⅝" O. D. Pipe	2½" O. D.	3" O. D.			
		406 405 403 400	6 5 3 0	No. 7 Coil Spring Wire					
Residential	See Pages 22-23	320H 310H 300H	0 0 0	1⅝" O. D. Pipe 1⅜" O. D. Pipe No. 7 Coiled S. W.	1¾" H	2½" O. D.	2"	No. 9 or No. 6	3'-3' 6"-4'-5'-6'
		320 310 300	0 0 0	1⅝" O. D. Pipe 1⅜" O. D. Pipe No. 7 Coiled S. W.	2" O. D				
		210 200	0 0	1⅜" O. D. Pipe No. 9 Coiled S. W.	1⅝" O. D.	2" O. D.		No. 11-9	3'-3' 6"-4'
		X1 X0	0 0	1⅜" O. D. Pipe No. 9 Coiled S. W.	"U"				
Tennis Courts	See Pages 12-13-15	420H 420 310	0 0 0	1⅝" O. D. Pipe 1⅝" O. D. Pipe 1⅜" O. D. Pipe	2¼" H 2½" O. D. 2" O. D.	3" I 3" O. D. 2½" O. D.	1¾"	No. 11	8'-10'-12'

CHART OF GATE FRAMES AND GATE POSTS

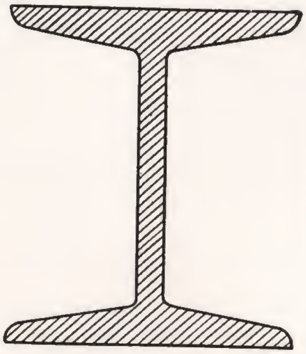
Type of Fence	Gate Openings		Gate	
	Single	Double	Frame	Post
X1 —X0 210 —200 310 —300	Up to 6' Up to 6' Up to 6'	Up to 12' Up to 12' Up to 12'	1⅛" O. D. 1⅜" O. D. 1⅜" O. D.	2" O. D. 2½" O. D. 2½" O. D.
320 —300 323 —303	Up to 4' Over 4' to 8'	Up to 8' Over 8' to 16'	1⅝" O. D. 1⅝" O. D.	2½" O. D. 3" O. D.
420 —400 423 —403 425 —405 426 —406	Up to 6' Over 6' to 13' Over 13' to 18' Over 18'	Up to 12' Over 12' to 26' Over 26' to 36' Over 36'	2" O. D. 2" O. D. 2" O. D. 2" O. D.	3" O. D. 4" O. D. 6⅝" O. D. 8⅝" O. D.
420H—400H 423H—403H	Up to 6' Over 6' to 13'	Up to 12' Over 12' to 26'	2" Sq. or 2" O. D.	3" I 4" H
425H—405H 426H—406H	Over 13' to 18' Over 13' to 18'	Over 26' to 36' Over 26' to 36'		6⅝" O. D. 6⅝" O. D.

WEIGHT CHART OF RAILS AND POSTS

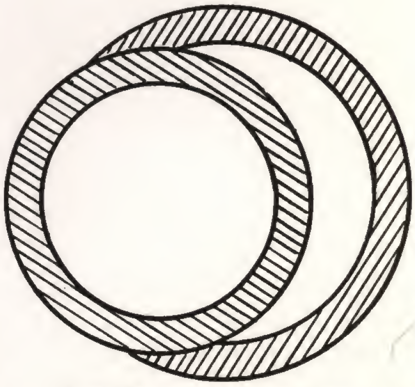
Size, In.	Type	Lbs. per Lineal Ft.	Size, In.	Type	Lbs. per Lineal Ft.
1⅜	O. D. Pipe	1.68	2	"U" Post	1.50
1⅝		2.27	1¾	"H"	2.80
1⅞		2.72	2¼ x 1.95	"H"	4.10
2⅜		3.65	3	"I"	6.50
2⅞		5.79	4	"H"	14.50
4		9.10			
6⅝		18.97			
8⅝		24.60			



Cross section of "U" line post used for Types X1, X0.

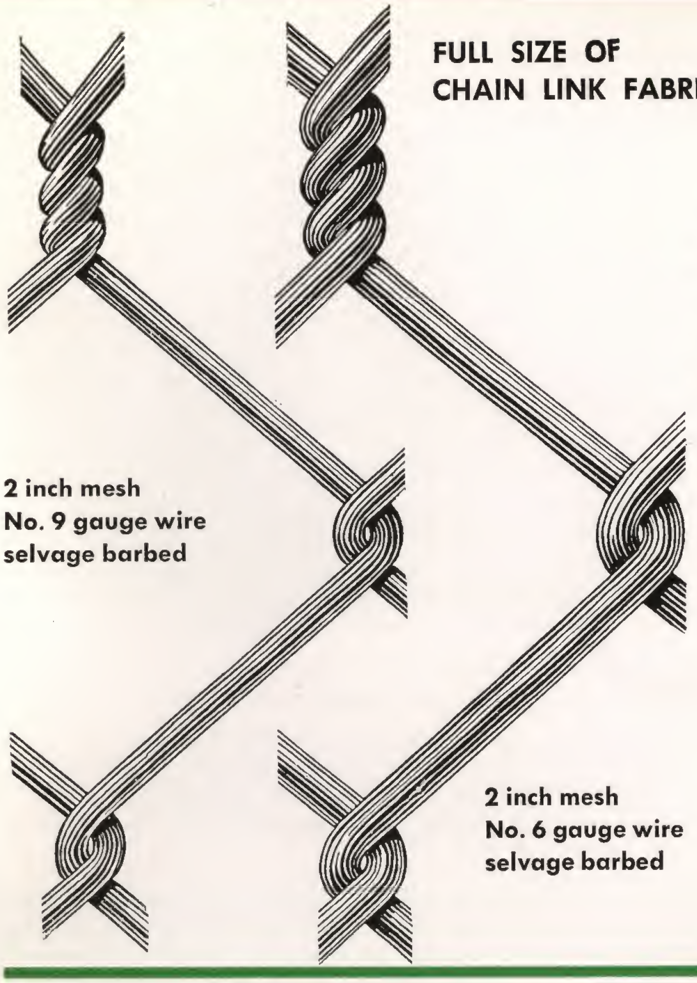


Cross Section of the "H" line post used for residential installations Types 320H, 310H, and 300H.



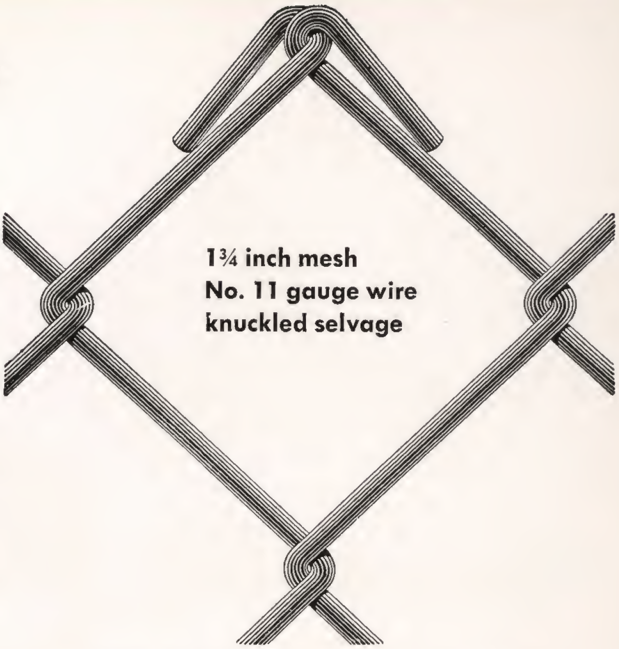
Cross Section of line pipe posts used in residential Types 320, 310, 300, 210 and 200.

FULL SIZE OF CHAIN LINK FABRIC



2 inch mesh
No. 9 gauge wire
selvage barbed

2 inch mesh
No. 6 gauge wire
selvage barbed

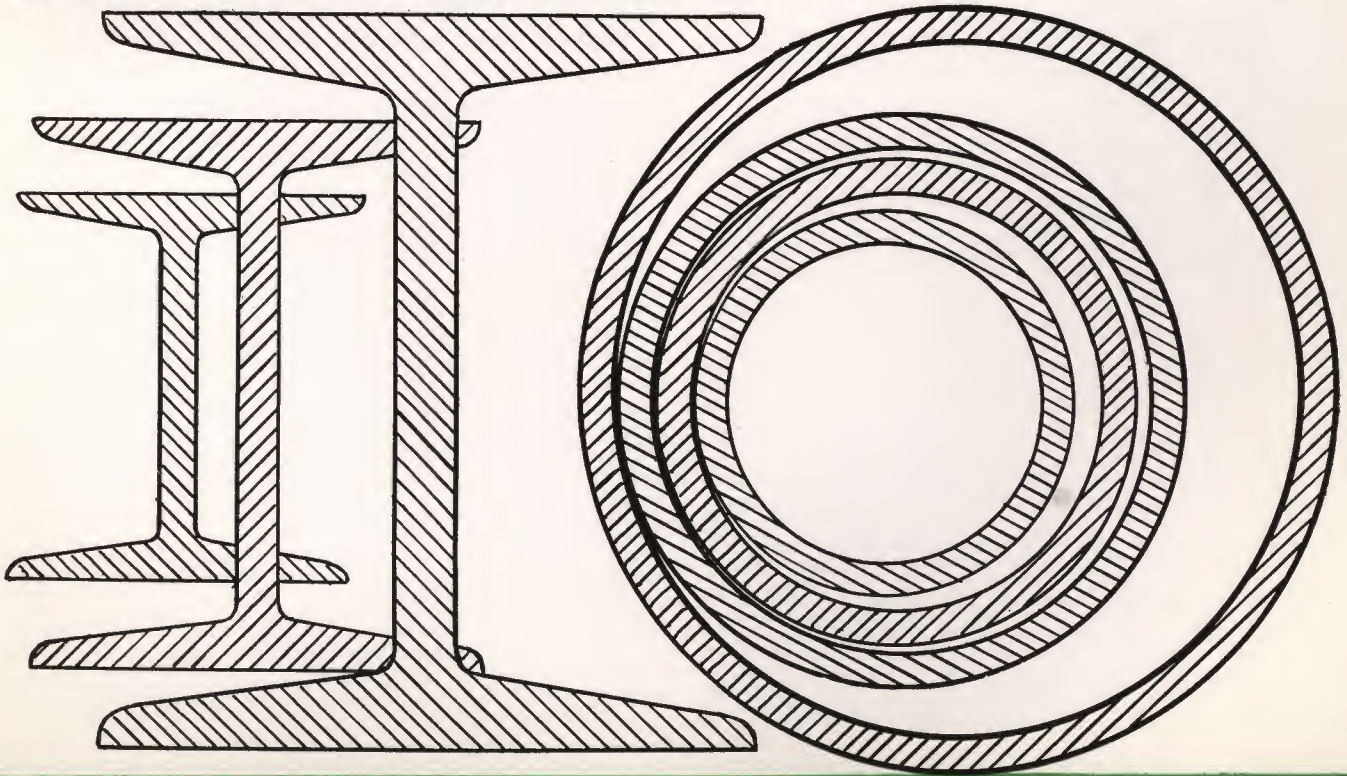


1¾ inch mesh
No. 11 gauge wire
knuckled selvage

WEIGHT CHART OF CHAIN LINK FABRIC

Mesh in Inches	Gauge	Pounds per Square Foot
2	No. 11	.52
1¾	No. 11	.57
2	No. 9	.79
2	No. 6	1.33

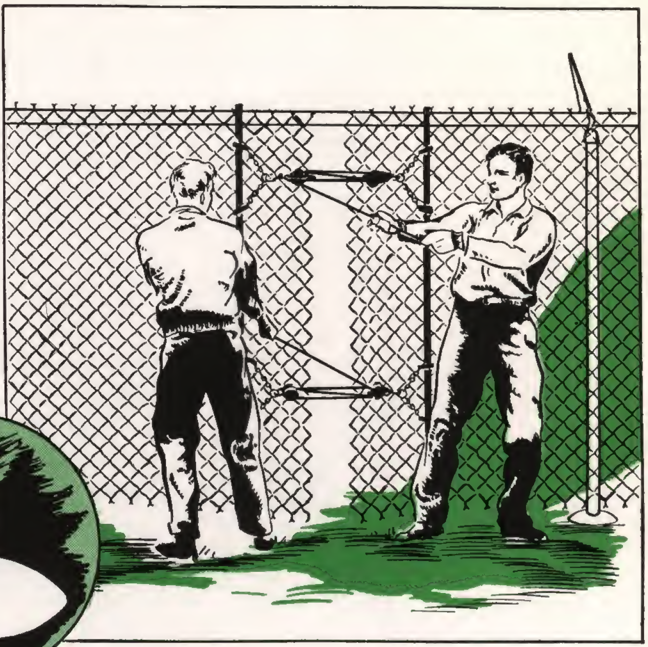
FULL SIZE SECTIONS OF "H" POSTS AND PIPE POSTS



ERECTION OF CHAIN LINK FENCE

POSITION OF CHAIN LINK FABRIC READY FOR STRETCHING

The property lines are determined, the necessary grading finished and all corner, end and gate posts accurately located. Then the footings are dug for setting the posts in concrete and the fittings attached to the terminal posts. The top rail is then run through the openings in the line post tops. The chain link fabric is then tied loosely in place with tie wires.



METHOD OF STRETCHING THE FABRIC

A stretcher bar is run through the fabric from top to bottom in the last link of mesh at either end of the sections to be joined. Two sets of blocks are hooked into the stretcher bars and the fabric is drawn taut by pulling evenly from opposite directions. Care must be taken that the tie wires holding up the fabric do not catch and pull the line posts out of plumb.

SPECIFICATIONS

GENERAL NOTES

Architects and Engineers requiring detailed information which will provide for permanent and attractive fencing can undoubtedly compile their own specifications from the data furnished. Wickwire Spencer engineers will be glad to cooperate by furnishing complete written specifications upon application to any of our Representatives, Distributors, District Offices, or our General Sales Office in the Rand Building, 14 Lafayette Square, Buffalo 3, New York.

MATERIALS

Each type of fence is made in standard heights. These heights are indicated under the chart of specifications covering each type. (See Chart page 14.)

CHAIN LINK FABRIC is measured from top to bottom including the selvages. It is woven from specially drawn Copper Bearing Steel Wire, A. S. & W. gauge is used. It is composed of individual helically wound wire pickets having paralleled sides and horizontal and vertical diagonals of approximately uniform dimensions. When interwoven it forms the meshes.

BARBED WIRE: Hot galvanized steel barbed wire composed of two strands of No. 12½ gauge wire. Barbs are spaced approximately 3" apart, four point pattern.

FABRIC BANDS AND RAIL TIES: Spaced approximately 18" apart on top rail and 12" apart on intermediate (line) posts. These are furnished from No. 7 gauge (B. & S.) Aluminum.

POSTS AND RAILS: All pipe used for posts or rails is of standard full weight butt welded steel, new in every respect and heavily galvanized. Weight of zinc, 2 oz. per square foot of total coated surface.

Pipe sizes given are outside diameter dimensions. Weights are standard with pipe manufacturers. A variation of 5% for measurement or weight is permissible.

FITTINGS: All connecting parts (except aluminum ties) are heavily galvanized after fabrication. They are produced from either pressed steel or malleable iron. Weight of zinc, 2 oz. per sq. ft. of total coated surface. The selvages can be either barbed at one end and knuckled at the other, barbed both ends or knuckled both ends. The standard finish is indicated in the specifications chart for each type of fence, see Page 14. The fabric is first woven, next it goes through a cleansing process. The final operation is a hot zinc bath, known to the industry as a "hot dipped galvanized after weaving Chain Link Fabric". Standard gauges used in the fabric are No. 11, No. 9 and No. 6. The copper content of the steel used is .20% by ladle analysis and .18% by check analysis. Zinc used for galvanizing is of a grade conforming to the Standard Specifications for Slab Zinc (A.S.T.M. Designation B6) of the American Society for Testing Materials. It carries a minimum weight of 1.2 oz. of zinc per square foot of uncoated wire surface. The uniformity of the coating may be determined by the Preece Test. This galvanizing will stand without failure a minimum of 5 dips of one minute each.

INSTALLATIONS

The procedure outlined below is followed by our erectors and is recommended to those who install their own jobs.

LINE POSTS: For fences 5'0" high and higher, posts are furnished to set 3'0" deep into concrete footings, 9" in diameter at top and 11" in diameter at bottom. For fences 4'0" and lower, posts are furnished to set 2'0" deep into concrete footings, 8" in diameter at top and 10" in diameter at bottom.

END, CORNER AND GATE POSTS for fences 5'0" high and higher are furnished to set 3'0" deep into concrete footings, 12" diameter at top and 15" diameter at bottom.

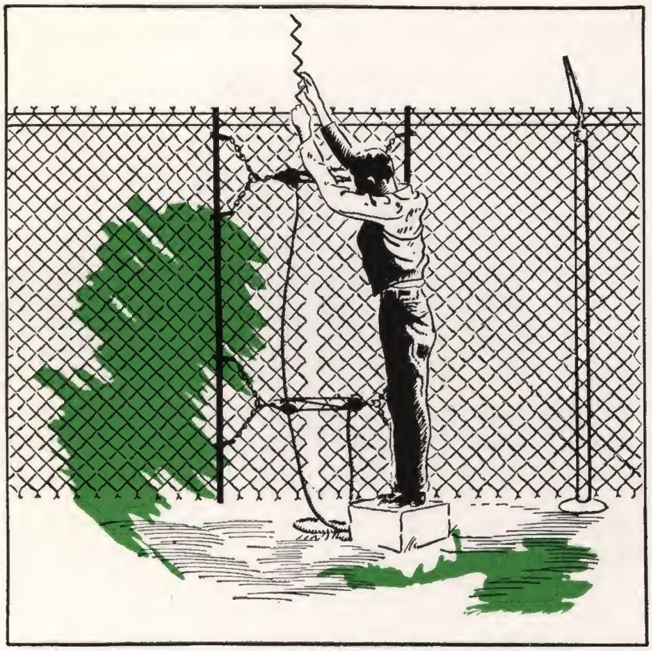
For fences 4'0" and lower, they are furnished to set 2'6" deep into concrete footings, 10" diameter at the top and 12" diameter at bottom.

FOOTINGS are neatly domed off at the ground line to permit shedding of water away from the posts. This eliminates the possibility of water remaining near the metal and prevents rust or corrosion starting at the most vulnerable point of a fence.

CONCRETE used for the footings should have a compressed strength of 1500 lbs. at 28 days.

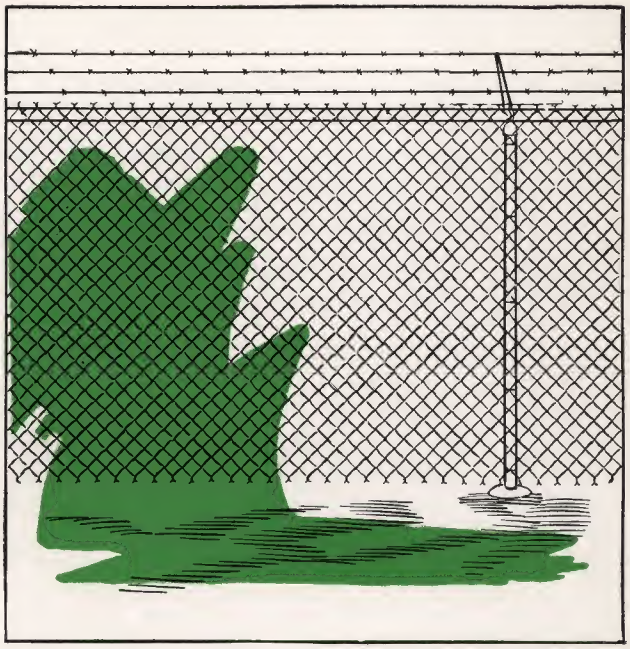
ROCK OR CONCRETE WALLS: When conditions arise which necessitate setting posts in a substance of this nature, a hole of sufficient diameter will be drilled to receive the post. The depth of the hole will be governed by the height of the fence. The posts will be grouted into place with a mixture of cement and clean sharp sand. A maximum depth of 12" is sufficient.

FINISH: All fabric and barbed wire must be stretched to a uniform finish as tightly as possible, but, not too tight, so as to pull the materials out of shape. All fences follow the general contour of the ground, except when otherwise specified by the customer. All grade stakes and property line stakes are to be provided by the customer. The above is used as a standard. When special conditions arise requiring extra length posts or concrete footings because of the nature of the soil, the erector must be fully capable of judging these special requirements, providing an installation so that at all time the posts are plumb and in proper alignment.



JOINING THE FABRIC WITH A PICKET LINK

While the fabric is still held in the joining position by the blocks, a loose picket link is spiraled down through the meshing links of the two ends to make a perfect joining. Then the blocks are released and the stretch bars are removed. The tension now holds the joining securely, making one continuous tightly knit section.



COMPLETED FENCE WITH 3 STRAND TOP FINISH IN PLACE

The top selvage is dressed above the top rail and secured with tie wires. Block and tackles and come along are used to string the barbed wire which is placed in the openings provided in the arms and locked into place by sliding the locking wire down inside the U-channel and over the barbed wire. Write for a free Wickwire Spencer Chain Link Fence Erection Handbook.

SPECIFICATIONS

The outline listed here and the charts printed on Pages 14 and 15 of this catalogue will act as a ready reference for essential data on Wickwire Spencer Chain Link Fence.

SPECIFICATION CHART OF ALL TYPES OF FENCE:
Industrial—Residential—Tennis and Baseball

WEIGHT CHART OF RAILS AND POSTS

WEIGHT CHART OF CHAIN LINK FABRIC

CHART OF GATE FRAMES AND GATE POSTS

The following outline is intended to offer a basis for checking your requirements:

HEIGHTS—The height is measured overall. By "overall" is meant the actual height from the ground line to the top strand of barbed wire or to the top rail if no barbed wire is used.

FABRIC—2" Mesh No. 9 or No. 6 gauge, where barbed wire is used it will be one foot less than the overall height of the fence. The selvages may be barbed at one end and knuckled at the other, barbed both ends or knuckled both ends.

LINE POSTS—Should be spaced evenly but not over 10' apart.

TOP RAIL—Runs continuously through opening provided in top and is coupled together by means of an outside malleable slip sleeve.

END and CORNER POSTS—Will vary with type of fence.

GATE POSTS—Will vary with size of single gate or double gates.

BRACING—On fences 6 ft. and higher each end and gate post will be equipped with one, and each corner post with two horizontal braces and adjustable diagonal truss braces with rod and turnbuckle, running from the center of the first line post to the bottom of the terminal post.

BARBED WIRE—Six strands, set on pressed steel "V" shaped arms, mounted on malleable iron base. One arm pointed inside and the other pointed outside of the property line. Three strands set on each arm. Where the top rail is eliminated a coil spring tension wire is furnished; No. 9 gauge for heights 4' and under; No. 7 gauge for heights over 4'.

Five strands, set on one piece triangular shaped pressed steel arms. One strand on the apex at the top and two strands on each of the arms.

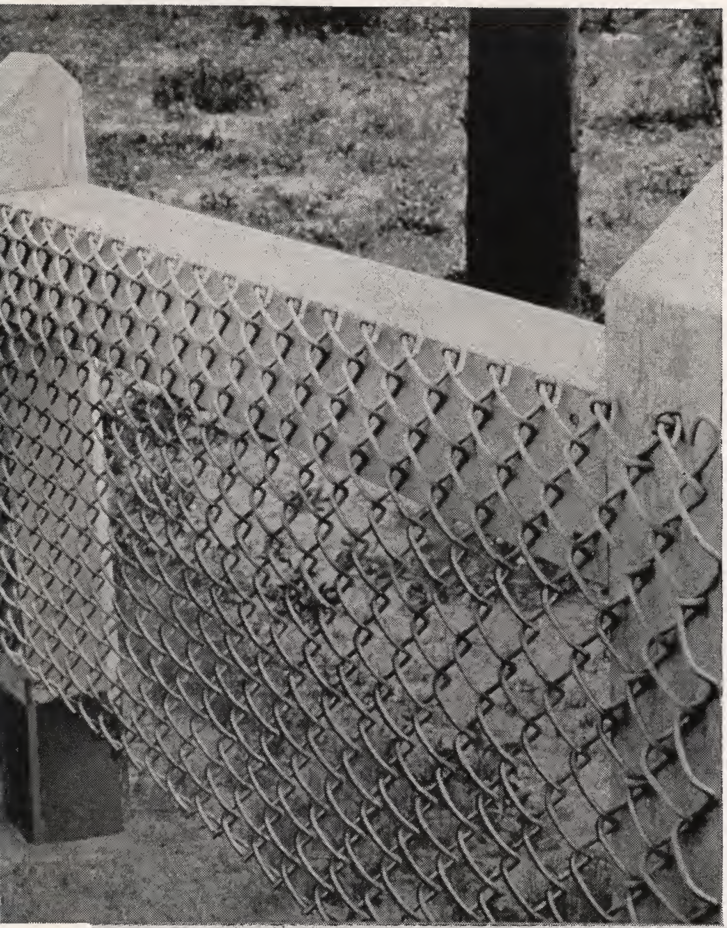
Three strands, set on arms projecting at an angle of approximately 45 degrees. They may be pointed inside or outside of the property line. The arms have a malleable base with opening for top rail and pressed steel extension arm bolted thereto.

GATES—Fabric is furnished to match fence. All frame joints are welded and so designed as to give continued service under heavy duty without twisting or sagging.

For Industrial Gates, the lower hinges are of the ball and socket type but arranged to permit the gate to swing 180 degrees or back against the fence line, allowing full clearance in driveway and its immediate vicinity, at the same time bringing the full weight of the gate on the concrete footing into which the bottom hinge is imbedded. The upper hinge is of the pin type and both hinges are reversible to take a right or left hand swing.

12'0" high fences are furnished with a 1⅝" O.D. pipe center rail as standard construction. Where a bottom rail is wanted for any height it shall be the same as the top rail.

Residential Gates can be furnished with ornamental scroll top, spring latch on single gates and a special locking bar to permit the use of a padlock on double gates.



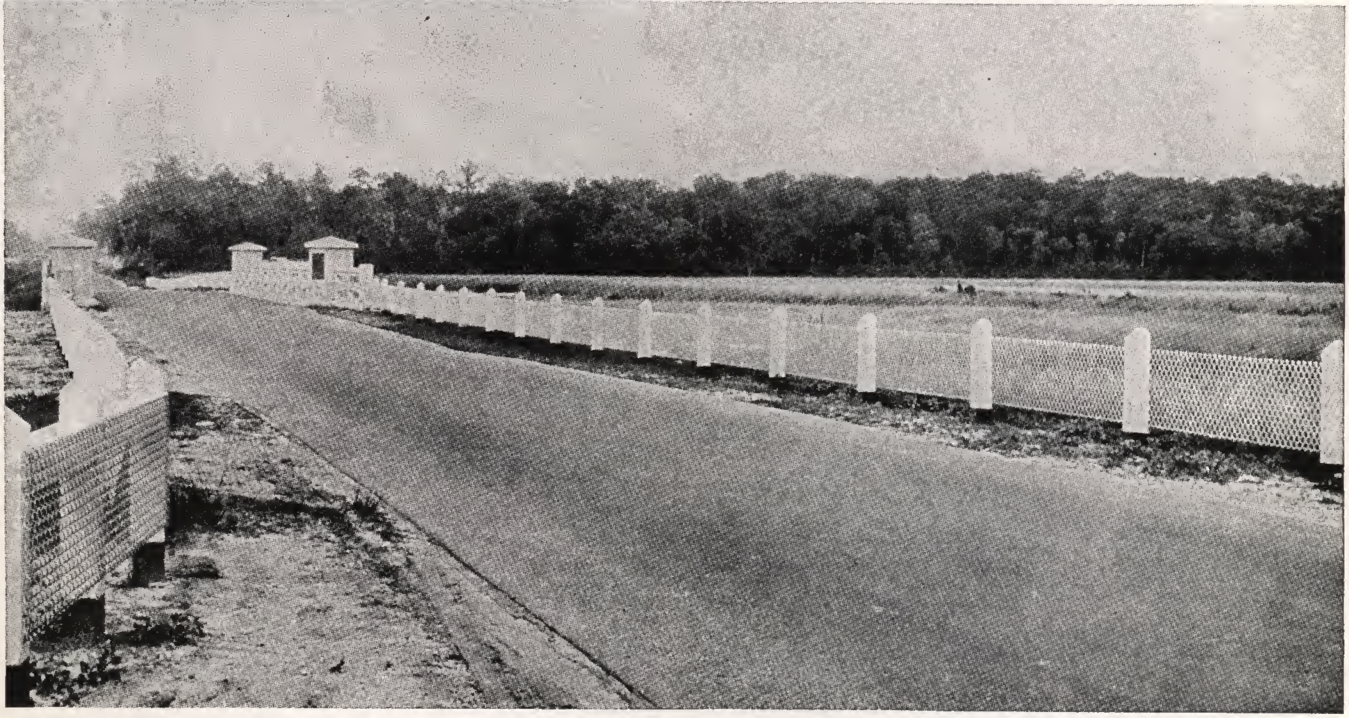
WICKWIRE SPENCER ROAD GUARD

Wickwire Spencer Chain Link Fence Road Guard is engineered to give the maximum of safety. Woven from a strong wire link fabric in a semi-flat mesh, it combines the advantages of both the round and the flat spirals, avoiding the weak points of each. There are no sharp right angle bends in the Wickwire Spencer weave to cause breakage of the links under heavy impact. The semi-flat weave falls into proper mesh without binding and remains in proper alignment.

Wickwire Spencer Chain Link Fence Road Guard is fabricated from No. 6 (W&M) gauge copper steel wire woven in 2-inch diagonal mesh, 24-inch width, with both selvages knuckle finished, heavily galvanized after weaving by the Wickwire Spencer "hot galvanized" process. If desired the heavy zinc coating of the road guard can be supplemented by dipping in a durable white paint. This added protection obviates the necessity of maintenance, repair and replacement for years of uninterrupted service.

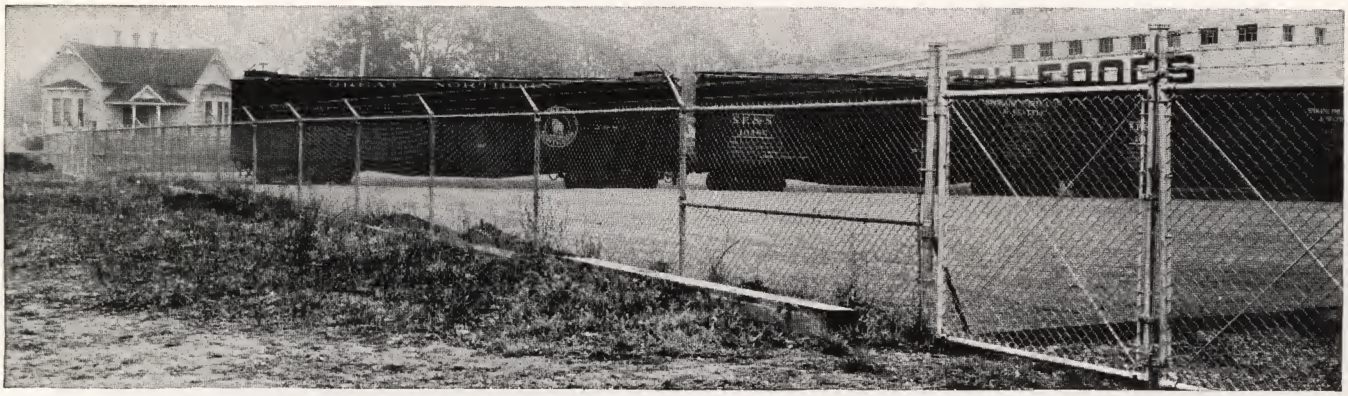
Roads protected by Wickwire Spencer Chain Link Fence Road Guard stand as a silent reminder to all who pass that their safety and protection has been carefully planned.

This closeup view of the Wickwire Spencer Chain Link Fence Road Guard shows the semi-flat weave that imparts the strength necessary to resist breaking under heavy impact.



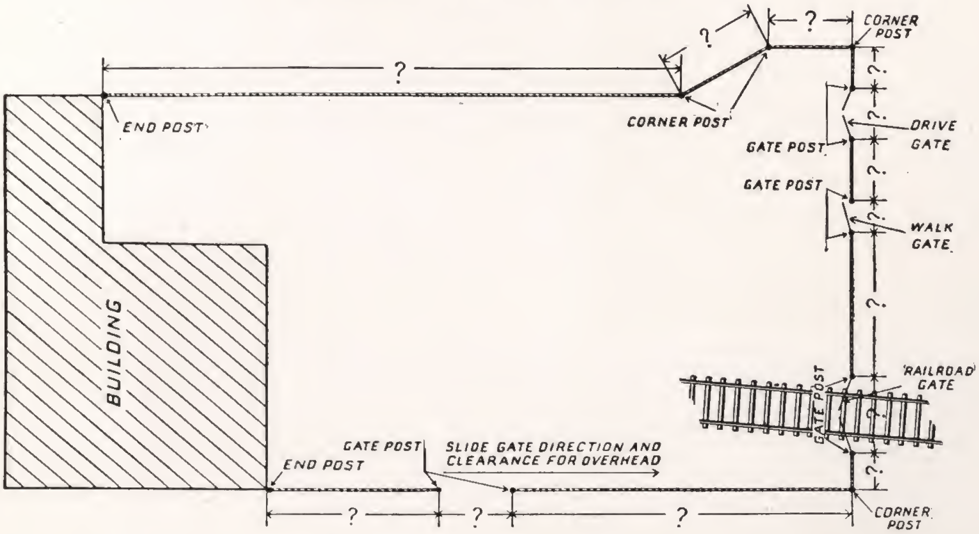
Wickwire Spencer Chain Link Road Guard installation on an east coast highway. Note the sturdy protective appearance which the road guard imparts to roadway.

INDUSTRIAL INQUIRY BLANK



WICKWIRE SPENCER

Chain Link Fence



The above diagram incorporates all of the elements to be considered in an installation of Wickwire Spencer Chain Link Fence. Either use this diagram or check the box below requesting a representative to call. Our engineers gladly estimate your needs without obligation.

I would like more complete information of Wickwire Spencer Chain Link Fences for:

☐ I would like a Wickwire Spencer representative to call.

☐ Factories
☐ Airports
☐ Storage Yards
☐ Industrial Plants
☐ Railroads
☐ Highways
☐ Power Plants
☐ Water Works
☐ Storage Room Partitions
☐ Plant Nurseries
☐ ____________________
☐ ____________________

NAME____

STREET______________________________________

CITY____________________ ZONE__________ STATE______________

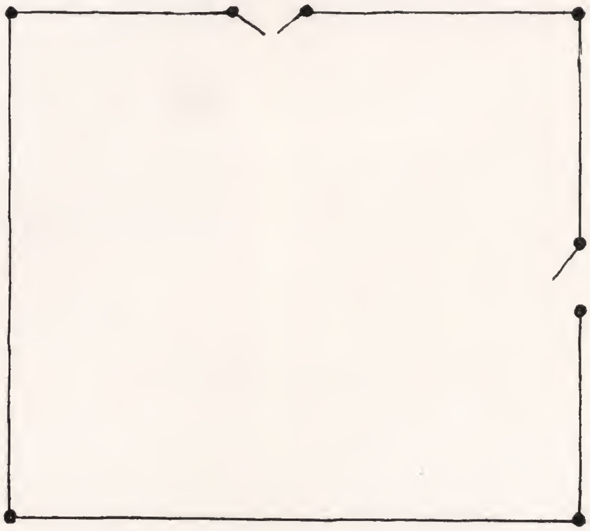
Mail the completed blank to your nearest Wickwire Spencer Chain Link Fence representative or to our General Sales Office, Rand Building, 14 Lafayette Square, Buffalo 3, N. Y.

RESIDENTIAL INQUIRY BLANK

Learn how little it costs to have a

WICKWIRE SPENCER

Chain Link Fence



Sketch roughly in the above diagram your property measurements, position of your house, garage and other buildings that you want protected. Indicate gates needed—single for walks—double for driveways. Wickwire Spencer Chain Link Fence engineers will gladly estimate your requirements without obligations.

I would like more complete information on Wickwire Spencer Chain Link Fences for:

☐ I would like a Wickwire Spencer representative to call.

☐ Athletic Fields
☐ Parks and Preserves
☐ Small Homes
☐ Country Homes
☐ Estates
☐ Cemeteries
☐ Clubs
☐ Churches
☐ Playgrounds
☐ Tennis Courts
☐ Baseball Backstops
☐ Schools
☐ Swimming Pools
☐ Private Gardens
☐ Institutions

NAME____
STREET______________________________________
CITY________________ZONE__________STATE__________

Mail the completed blank to your nearest Wickwire Spencer Chain Link Fence representative or to our General Sales Office, Rand Building, 14 Lafayette Square, Buffalo 3, New York.

WICKWIRE SPENCER
RESIDENTIAL FENCE

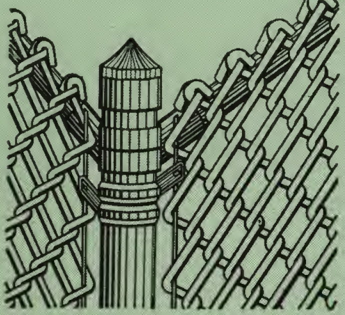
A Wickwire Spencer Chain Link Fence makes a permanent improvement to any residential property. Your property becomes in fact as well as in theory yours to its very boundaries. Behind a Wickwire Spencer Chain Link Fence your children, pets, home and gardens are safe and secure, protected from dangers and hazards.

Wickwire Spencer Chain Link Fence will dress your property modernly. It is good looking, designed to provide the final note of dignity and appearance to your home site. And whether you choose the famous Wickwire Spencer Chain Link Friendly Fence for smaller residences or the type for estates or gardens, each excels in durability, strength and design.

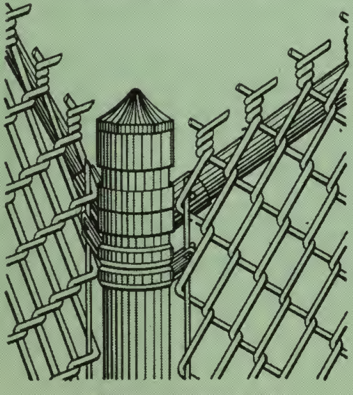
Initial cost of a genuine Wickwire Spencer Chain Link Fence is moderate. And after you have erected one of these strong, permanent fences, you can dismiss the problem of upkeep from your mind. Maintenance costs are negligible, in fact, it will be many years before your fence will need the slightest attention or repairs.

This fence is permanent—only the highest grade spelter is used in putting the heavy zinc coat on the fence fabric, thus providing positive protection against rust.

Wickwire Spencer adds still more years to the life of its fence by manufacturing wire fences of a rust-resisting base metal—copper bearing steel. All braces, posts and fittings are similarly of the finest steels for the purpose. There is a local Wickwire Spencer Sales and Installation Representative near you who is prepared to render prompt, efficient, and economical fence service. Expert advice on your own fence requirements are yours for the asking. Estimates will be submitted for your consideration without obligation. An inquiry blank for your convenience will be found on page 20.



KNUCKLED SELVAGE TOP



BARBED SELVAGE TOP

TYPE X1 AND TYPE X0

These residential fences add an air of distinction and protect you from worry and risk. The rust-resistant copper bearing steel from which these fences are fabricated, allows you to dismiss the problem of upkeep from your mind.

Gate and end pipe posts are set in concrete footings but line posts for these types are "U" shaped and are furnished with flat anchors attached and are not intended to set in concrete footings.

A No. 9 gauge coil spring wire is furnished where no top rail is used. Gates are equipped with ornamental scroll top, spring latch in single gates and special locking bar for padlocking of double gates. (See Chart Page 14.)

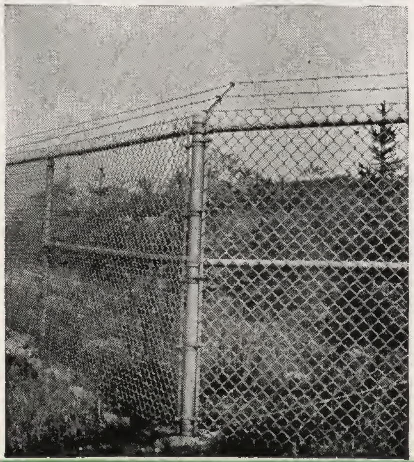
TYPE 210 AND TYPE 310
TYPE 200 AND TYPE 300

These types differ from the Type X1 and Type X0 in the use of line posts of pipe to give greater strength. Installation of this fence is suggested where the requirements necessitate sturdier construction. Where the top rail is eliminated a No. 9 gauge coil spring wire is furnished in its place. (See Chart Page 14.)

The Type 210 fence can be furnished in a 3'9" height.

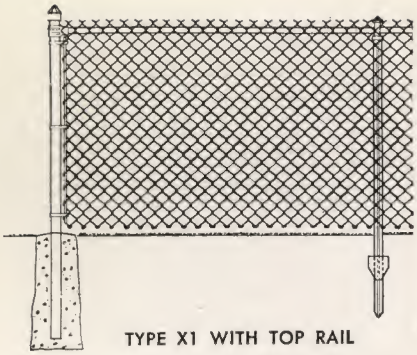
TYPE 320 AND TYPE 320H

These types are available in either pipe or "H" type construction and are furnished up to a height of 6' (See Chart Page 14) to meet the demands for greater property protection. Where the "H" construction is installed a 1¾" line post is used. These types are in demand for parks and large estates as well as for smaller residences. The gates furnished blend well with the fence to present a smart overall apeparance.

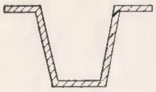


TYPE 323 AND TYPE 303

For residential property these types give the fullest measure of protection as they approximate the heavier construction of the industrial fences. An arm that carries three strands of galvanized steel barbed wire adds another safety factor that costs little in comparison to the peace of mind it affords. The arm on which the barbed wire sets has an angle of approximately 45 degrees and may be pointed in or out of the property. Where no top rail is used a No. 7 gauge coiled spring wire is furnished. Gates for these types are supplied with barbed wire and fabric to match.

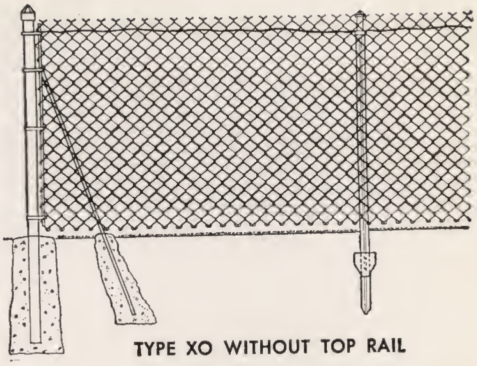


TYPE X1 WITH TOP RAIL

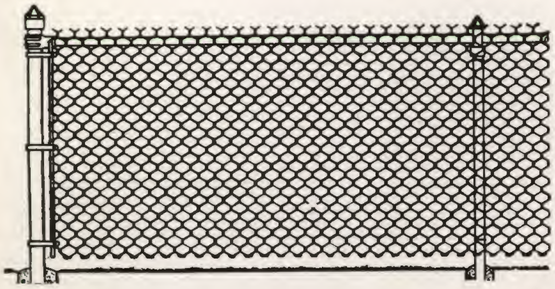


U-SECTION

The "U" type line post used with the Types X1 and X0 is furnished with flat anchor that is not intended for setting on concrete as are the end and corner posts.

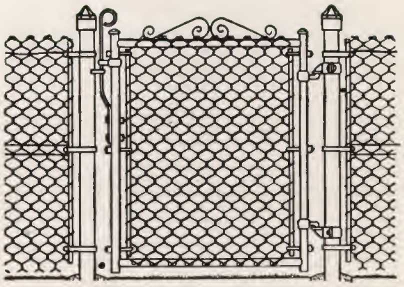


TYPE XO WITHOUT TOP RAIL

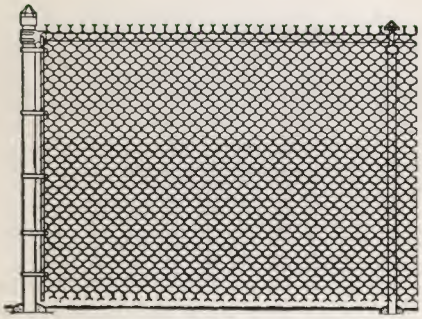


TYPES 210 AND 310 WITH TOP RAIL
TYPES 200 AND 300 WITHOUT TOP RAIL

The residential type gate illustrated is furnished with a spring latch for a single gate and a padlocking bar with double gates. The scroll top gate for these types is supported on strong hinges fastened to sturdy posts which are securely braced. This rugged construction assures that the gate will not sag or twist under hard usage.

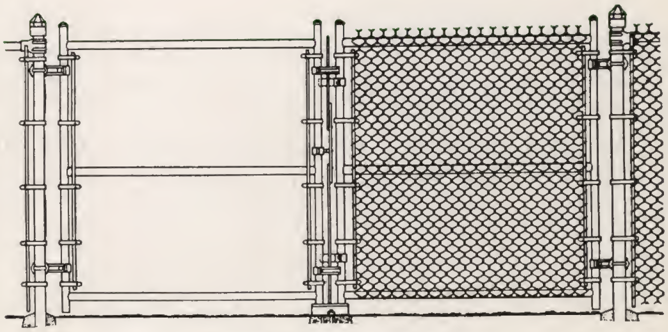


GATE FOR TYPES 300 AND 200

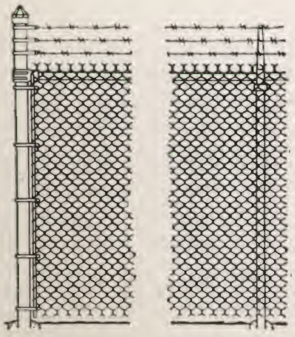


TYPE 320 WITH TOP RAIL

The gates furnished have matching fabric, all frame joints welded and are designed for continued service under heavy duty. A padlock arrangement is provided for single or double gates, hinges permit a full 180 degree swing.



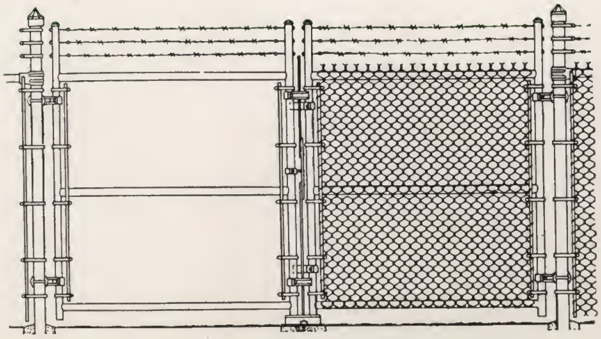
DOUBLE GATE TYPE 320



TYPE 323

(Left) Section Showing End Post of Type 323 with top rail and 3 strands of barbed wire.

Type 303 without top rail furnished with No. 7 coil spring wire otherwise same as Type 323.



DOUBLE GATE TYPE 323

The construction of the gate shown matches the fence in all details. It is furnished with malleable iron hinges and hangers that will give years of service without attention.

OTHER WICKWIRE SPENCER PRODUCTS

- APRONS, WIRE
- BRIGHT WIRE GOODS
- BRADS, WIRE
- CARD CLOTHING
- CLOTHES LINES, WIRE
- CONVEYOR BELTS, METAL
- DOOR SPRINGS
- FORMED WIRES
- GRILLES, PERFORATED
- HARDWARE CLOTH
- LATH, WIRE
- NAPPER CLOTHING
- NAILS, WIRE
- OVERHEAD DOOR HARDWARE
- PERFORATED METALS
- PICTURE CORD
- POULTRY NETTING
- RADIATOR FURNITURE
- ROAD GUARD
- RODS, WIRE
- ROPE, WIRE
- SCREEN CLOTH, INSECT
- SPRINGS
- STARTER SPRINGS
- TUNGSTEN CARBIDE DIES
- TUNGSTEN, MOLYBDENUM WIRE
- WELDED FABRIC
- WIRE
- WIRE CLOTH, SPECIAL
- WIRE GOODS, BRIGHT
- WIRE FORMS
- WIRE ROPE

Individual catalogs are available on each of the above products. Write Department A, Wickwire Spencer Steel, 500 Fifth Avenue, New York 18, New York.

Chain Link Fence Department

WICKWIRE SPENCER STEEL

DIVISION OF THE COLORADO FUEL AND IRON CORPORATION

Manufacturing
Plant . . .
BUFFALO, N. Y.

Executive Offices
500 FIFTH AVENUE
NEW YORK 18, N. Y.

General Sales Office: Rand Building, 14 Lafayette Square, Buffalo 3, N. Y.

BRANCHES AND WAREHOUSES

BOSTON 10, MASS.
80 Federal St.
Phone—Liberty 6690

BUFFALO 3, N. Y.
Rand Bldg., 14 Lafayette Sq.
Phone—Cleveland 7400

CHATTANOOGA 2, TENN.
First and Broad Sts.
Phone—7-1273

CHICAGO 1, ILLINOIS
221 N. La Salle St.
Phone—Central 7648

DETROIT 4, MICHIGAN
8701 Epworth Blvd.
Phone—Tyler 5-7212

PHILADELPHIA 23, PA.
11th Street and Ridge Ave.
Phone—Fremont 1776

132 F. 10M. 6-46. EEB